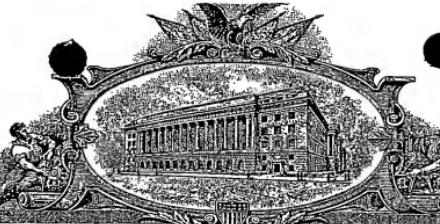


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United States Patent and Trademark Office

January 06, 2004

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OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT  
APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A  
FILING DATE.

APPLICATION NUMBER: 60/421,622

FILING DATE: *October 25, 2002*

RELATED PCT APPLICATION NUMBER: *PCT/US03/34012*

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10 - 29 - 0 204 1622 - 102422 /PROVIT

**PROVISIONAL APPLICATION FOR PATENT  
COVER SHEET**

Case No. HUMET.016PR

Date: October 25, 2002

Page 1

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10/25/02  
U.S. PRO  
10102422

**ATTENTION: PROVISIONAL PATENT APPLICATION**

Sir:

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR § 1.53(c).

For: **METHOD AND SYSTEM FOR AUTOMATICALLY LAUNCHING AND ACCESSING  
NETWORK ADDRESSES AND APPLICATIONS**

Name of Inventor: Unknown  
Residence Address:

Enclosed are:

- Specification in 110 pages, including Appendices A, B and C
- 4 sheets of drawings.
- A check in the amount of \$160 to cover the filing fee is enclosed.
- A return prepaid postcard.
- The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.

Was this invention made by an agency of the United States Government or under a contract with an agency of the United States Government?

No.

Yes. The name of the U.S. Government agency and the Government contract number are:

**PROVISIONAL APPLICATION FOR PATENT  
COVER SHEET**

Case No. **HUMET.016PR**  
Date: **October 25, 2002**  
Page 2

Please send correspondence to:

John M. Carson  
Knobbe, Martens, Olson & Bear, LLP  
2040 Main Street, 14th Floor  
Irvine, CA 92614

Respectfully submitted,

John M. Carson  
Registration No. 34,303  
Customer No. 20,995  
(619) 235-8550

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HUMET.016PR

PATENT

**METHOD AND SYSTEM FOR AUTOMATICALLY LAUNCHING AND  
ACCESSING NETWORK ADDRESSES AND APPLICATIONS**

Background of the Invention

Field of the Invention

The invention relates to the automatic launching of network addresses and applications. More particularly, the invention relates to a system and method for automatically launching one or more application programs or one or more network addresses and automatically logging in to websites that require user authentication data prior to gaining access to certain data or web pages.

Description of the Related Technology

The use of computing devices, the Internet and the World Wide Web has increased dramatically in recent years. As a consequence, users often have accounts with and otherwise access many network addresses, e.g., websites, that require certain user authentication information to be entered prior to gaining access to the website or to certain privileged data. The user authentication information typically includes, for example, user identification, such as a username, a password and optionally an answer to a particular question that the user has previously answered and that other users would be unlikely to know. Users commonly access many different network addresses with many different usernames and passwords, and it can be very difficult to remember which user authentication information is used to access each of the various network addresses.

Additionally, users of computing devices often initiate many applications programs for accessing data files and browsers for accessing many network addresses. Users typically manually initiate applications for each of the potentially many data files they wish to open, as well as manually initiating multiple browsers for each of the network addresses they wish to access. The process of manually initiating each file, network address and login can be a very cumbersome and time-consuming process, and often leads to frustration of the user.

Currently, several products and services are available that are related to various aspects of the above-mentioned problems. For example, one such service is "Yodlee" that is

available at the website <http://www.yodlee.com>. However, Yodlee requires the user to manually initiate access to the Yodlee website, then select each website the user wants to access one at a time from a list of Yodlee supported sites, as well as requiring the user to enter confidential and personal information and storing that information on remote computer servers separate from the user's computer. Many users object to this as invading their privacy and have serious concerns regarding the sharing of their personal information with third parties for marketing and other purposes. Another such product is "Gator" that is available at <http://www.gator.com>. However, Gator requires the user to manually process more access and login steps than Yodlee, is subject to many of the same privacy concerns, and also may install certain "spyware," for example, on the user's computing device to track the user's activities and report them to third parties over the network. In the Internet paradigm, spyware is essentially a program that is installed on one's computer to gather information about the user and her activities and relay it to advertisers or other interested third parties without the user's knowledge.

Additionally, U.S. Pat. No. 5,995,965, which is hereby incorporated by reference in its entirety, is related to the above-discussed technology, except that it includes automatic access being initiated by insertion of a smart portable device, such as a smart card.

#### Summary of Certain Inventive Aspects

Therefore, what is needed is a system and method for automatically initiating access to one or more user-selected network addresses and/or computing application programs simultaneously while requiring minimal input from or actions by the user. In one embodiment, the user need only enter a password or personal identification number (PIN) or biometric information before the automatic launch is commenced. The system and method operate in a secure and private way, and store the user's personal and confidential information only on the user's own computing device, not on a remote server. In addition, the system and method provide the capability to automatically initiate the application programs such that they access specific data files generated by the particular application program. For example, the Microsoft Excel application program can be automatically initiated to open one or more specific Excel data files, and the system and method enable the

user to automatically login to a personal online account (e.g., a stock brokerage account) using the same system. Still further, the system and method automatically provide certain network addresses with user authentication data, e.g., a username and password, and communicate over a computer network.

One aspect of the invention includes a computerized system for automatically launching one or more application programs comprising a retrieval module for retrieving one or more stored network addresses, an application launch module for launching the one or more application programs to access the one or more stored network addresses, and a login module for automatically logging a user in to a network address by providing user authentication data in the login entry fields without user input. This additionally comprises the system wherein the application launch module further launches one or more application programs to access one or more user data files. This additionally comprises the system wherein the user-selected network address or addresses comprises one or more website Uniform Resource Locators (URLs).

An additional aspect of the invention includes a method of automatically launching one or more application programs comprising retrieving one or more stored network addresses, launching the one or more application programs to access the one or more stored network addresses, and automatically logging a user in to a network address by providing user authentication data in the login entry fields without user input. This additionally comprises the method wherein the application launch module further launches one or more application programs to access one or more user data files. This additionally comprises the method wherein the user-selected network address comprises a website URL. This additionally comprises the method wherein the method is executed at system startup. This additionally comprises the method further comprising inputting user authentication information of a user before retrieving the one or more stored network addresses.

#### Brief Description of the Drawings

The above and other aspects, features and advantages of the invention will be better understood by referring to the following detailed description, which should be read in conjunction with the accompanying drawings. These drawings and the associated description

are provided to illustrate certain embodiments of the invention, and not to limit the scope of the invention.

Figure 1 is a system diagram of one example of a network and computer device configuration in which the automatic launch and login system may operate.

Figure 2 is a flowchart of a top-level process of one embodiment of the automatic launch and login system.

Figure 3 is a flowchart of the process of automatically entering user authentication data and submitting it for automatic login as shown in Figure 2.

Figure 4 is a flowchart of another embodiment of a top-level process of the automatic launch and login system.

#### Detailed Description of Certain Embodiments

The following detailed description of certain embodiments presents various descriptions of specific embodiments of the present invention. However, the present invention can be embodied in a multitude of different ways. In this description, reference is made to the drawings wherein like parts are designated with like numerals throughout.

In an embodiment of the invention, the system and method automatically initiate access to one or more user-selected network addresses and/or computing application programs simultaneously while requiring minimal input from or actions by the user. The system and method operate in a secure and private way, and stores the user's personal and confidential information, not on a remote server, but only on the user's own computing device, e.g., personal computer (PC's), personal digital assistant (PDA), web-enabled cell phone, set-top box, embedded system, and other wired and wireless computing devices. In addition, the system and method provide the capability to automatically initiate the application program(s) such that they optionally access specific data files generated by the particular application program and optionally provide authentication information to the application program. For example, the Microsoft Excel application program can be automatically initiated to open one or more specific Excel user data files. Still further, the system and method automatically provide certain network addresses with user authentication data, e.g., username and password, and operate over a computer network, e.g., local area

network (LAN), wide area network (WAN), dial-up connection, intranet, the Internet, public or private network, Virtual Private Network (VPN), or any of the multitude of other types of computer networks.

In one embodiment, the system and method provide a client-based solution in which the user's data (including network addresses, e.g., website Uniform Resource Locators, or URLs) are stored with or on the local computing device. In this embodiment, the automatic login feature is performed by field detection, matching and filling of data in the fields, and by automatically sending user entry events, e.g., the "Enter" keystroke or a computer mouse click.

The above embodiments provide many advantageous features and capabilities. For example, one such feature involves greatly enhanced consumer privacy, as personal and confidential data is not stored on a remote server but is instead stored on the user's computing device. An additional advantageous feature involves user control of the user's data, in that the user maintains and controls their own data instead of allowing a third-party organization access to this data. A still further advantage involves universal applicability, in that the field matching approach does not require maintenance of a website dictionary of network addresses and login data, or special programming on each of a multitude of network devices.

In an alternative embodiment, the system and method provide a server-based solution in which the user's data (including network addresses, e.g., website URLs and user login authentication data, such as username and password) are stored on a remote server. This embodiment, while still providing the advantages of automatic initiation and login of one or more network addresses while requiring a minimum of user input, does not provide the privacy advantage of storing the user's personal and confidential information on the user's computing device.

In one embodiment, the user authentication data required to access a certain network address comprises a username and password. In other embodiments, the user authentication data comprises a digital certificate, digital signature, biometrics information, e.g., fingerprint, retinal or other eye scan, voice recognition, or other measurable physical characteristics that can be checked and verified.

In another embodiment, the one or multiple network addresses which require user authentication information may be accessed simultaneously, and the user's authentication information, previously stored either locally on the computing device they are using, or on a remote server, is automatically entered and submitted to the network address for authentication. Once the authentication is complete, the user gains access to the network address. The user is not required to manually input the authentication information for each individual network address, and does not have to manually submit the authentication information to a server to gain access to the network address. Nor does the user need to provide any manual input such as a keystroke or mouse click.

One embodiment of the system and method includes the capability of simultaneously accessing one or multiple network addresses with the capability of allowing the user to automatically and simultaneously access and log in to one or multiple network addresses which require user authentication information, e.g., a username or password. The user is not required to manually input the authentication information for each individual network address, and does not have to manually submit the authentication information to the server.

Such a system and method for a user to initiate simultaneous access to multiple network addresses that may require authentication information provide greater ease of use and a lessened amount of user interaction required with the computer in order to access the network addresses. The system and method provide the user with the convenience of being able to access multiple network addresses simultaneously, saving them the time and effort of having to remember and manually input the specific network addresses, and when required the necessary authentication information to access the network addresses, avoiding the effort of having to manually submit the information for authentication. The system and method further enable the user to access and display all the user-selected network addresses at once (instead of sequentially), saving the user's time and allowing the user to view and process at the same time different information located at different network addresses.

Referring now to the figures, Figure 1 is a system diagram 100 of one example of a network 160 and computer device 110 configuration in which the automatic launch and login system may operate. In this example, one or more computer display windows 120, e.g. web browser windows, may be opened or accessed via the computing device 110. The computing

device 110 may be connected to a computer network 160 via a network connection 130, e.g., dial-up, high speed, LAN, WAN, wireless, or other network connection. The computing device 110 is able to communicate with various network addresses 140 via the network 160 and network connection 130. Certain network addresses 140 require user authentication login information 150 to be entered and verified before access to the network address 140 is permitted.

Figure 2 is a flowchart of a top-level process 200 of one embodiment of the automatic launch and login system. At block 210, the process 200 initiates the launch of the network address access or application program. This can be performed at system startup, for example. User authentication information to access the system may or may not be required and entered at this point. At block 220 the process 200 launches the access of a user-selected network address that does not require a user to enter or submit login or authentication information. In this embodiment, at block 224 the process 200 launches the access of a user-selected network address that does require a user to enter login or authentication information. At block 250, the process 200 automatically enters user authentication data and submits this data to the network address for automatic login of the user without requiring action by the user to accomplish the login.

In one embodiment, the process 200 automatically launches one or more network address accesses and application programs with optional opening of a designated user data file for that application program. At block 230, the process 200 launches the access of a user-selected network address that does not require a user to enter or submit login or authentication information. At block 234 the process 200 launches the access of a user-selected network address that does require a user to enter login or authentication information. At block 250, the process 200 automatically enters user authentication data and submits this data to the network address for automatic login of the user without requiring action by the user to accomplish the login. At block 240, the process 200 launches an application program, e.g., Microsoft Word, Microsoft Excel, Microsoft Visio, or any one of many other application programs from many different vendors, without a designated user data file. At block 244, the process 200 launches an application program and at block 260 opens the user-selected data

file. Optionally, an application program or user-selected data file may have authentication information automatically entered.

Figure 3 is a flowchart of the process 250 (shown in Figure 2) of automatically entering user authentication data and submitting it for automatic login. The process 250 starts at block 310. At block 320, the process 250 reads the user-selected network address and login authentication data from the computing device's 110 data storage device (not shown in Figure 1). At block 330, the process 250 launches the appropriate application program or browser program with the designated network address as read in block 320. At block 340, the process 250 scans the network address for login entry fields. In one embodiment, a browser plug-in is installed that performs this functionality. Of course, other embodiments in which other manners are employed to scan for login entry fields are also within the scope of the present invention.

At block 350, the process 250 matches the login entry fields to the user's login authentication data. At block 360, the process 250 fills the login entry fields with the matching login authentication data. In this way, the appropriate login entry fields are filled with the appropriate user authentication data so that the user may be successfully logged in to the network address and gain access to the user's information at the network address. In another embodiment, the process 250 indexes a database of authentication information specific to the URL. At block 370, the process 250 sends the appropriate login key sequence to the network address, thereby completing the automatic access and login process. For example, in one embodiment, after submitting the required login information, the system sends a command to "Sign In", or "Sign On" or "Log In," without requiring the user to perform any point and click actions to access the user's online account, e.g., a stock brokerage online account, an employee file or account in a corporate network environment, or other online account. The process 250 ends at block 380.

Figure 4 is a flowchart of another embodiment of a top-level process 400 of the automatic launch and login system. This flowchart illustrates the multiple simultaneous accesses of multiple network addresses that the system and method provide. In this embodiment, at block 410 the user initiates simultaneous access to multiple network addresses. At block 420, the process 400 accesses the authentication page for the first user-

selected network address. At block 424, the process 400 enters and submits the user authentication information to the first network address, as described in greater detail above with regard to Figures 2 and 3. At block 428, the process 400 accesses the first user-selected network address. At blocks 430, 434, and 438, the process described above for blocks 420, 424, and 428, respectively, is performed for the second user-selected network address. Similarly, at blocks 440, 444, 448, the process described above for blocks 420, 424, and 428, respectively, is performed for the third user-selected network address. This process may be repeated three times as shown in Figure 4. This process may also be repeated any other number of times, according to the number of user-selected network addresses that were designated.

For additional information regarding the operation and user interface of one embodiment of the automatic launch and login system and method, see Appendix A entitled "Welcome to Netissimo® Lite Help!" Appendix A includes multiple screen shots and data entry fields, as well as extensive textual description, that illustrates and explains the operation of the system and method. In addition, Appendices B and C, entitled "Netissimo® 3.0 Functional Specifications Document" and "Netissimo Lite 3.0 Functional Specifications Document," respectively, include extensive textual description of the functionality and capabilities of the automatic launch and login system and method.

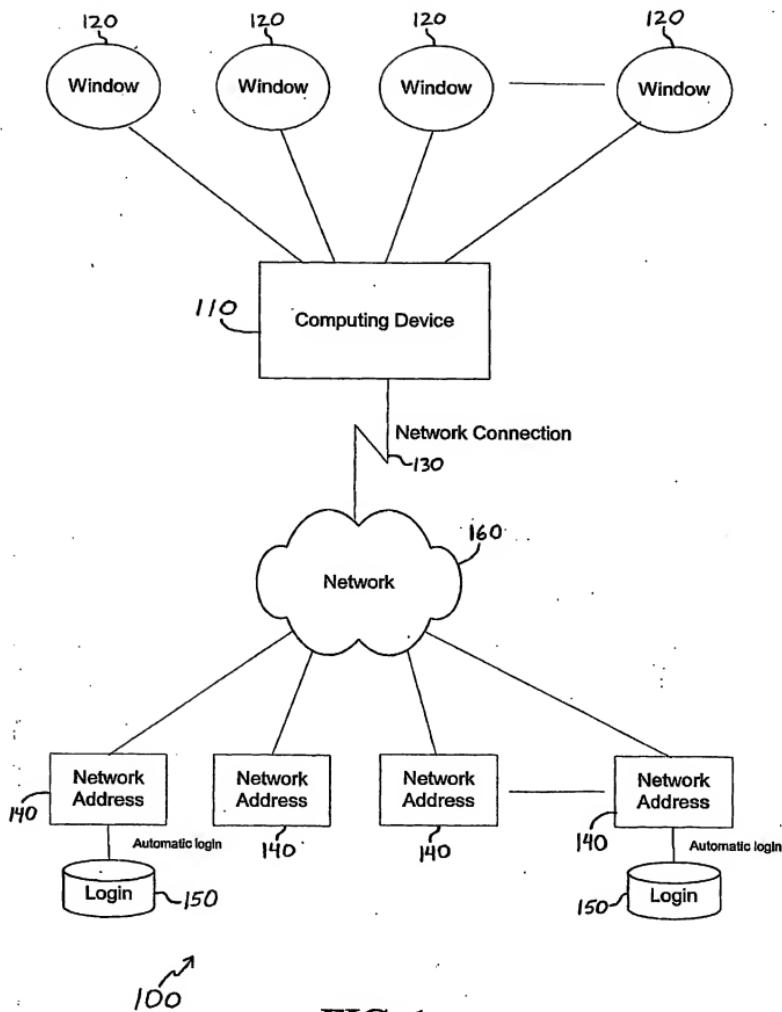
While the above detailed description has shown, described, and pointed out novel features of the invention as applied to various embodiments, it will be understood that various omissions, substitutions, and changes in the form and details of the device or process illustrated may be made by those skilled in the art without departing from the intent of the invention.

**METHOD AND SYSTEM FOR AUTOMATICALLY LAUNCHING AND  
ACCESSING NETWORK ADDRESSES AND APPLICATIONS**

**Abstract of the Disclosure**

A system and method for automatically initiating access to one or more user-selected network addresses and/or computing application programs simultaneously while requiring minimal input from or actions by the user. The system and method operate securely and privately, and provide the capability to automatically initiate the application programs such that they access specific user data files associated with the particular application program. Still further, the system and method operate over a computer network and automatically provide certain network addresses with user authentication data without requiring user input or actions.

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**FIG. 1**

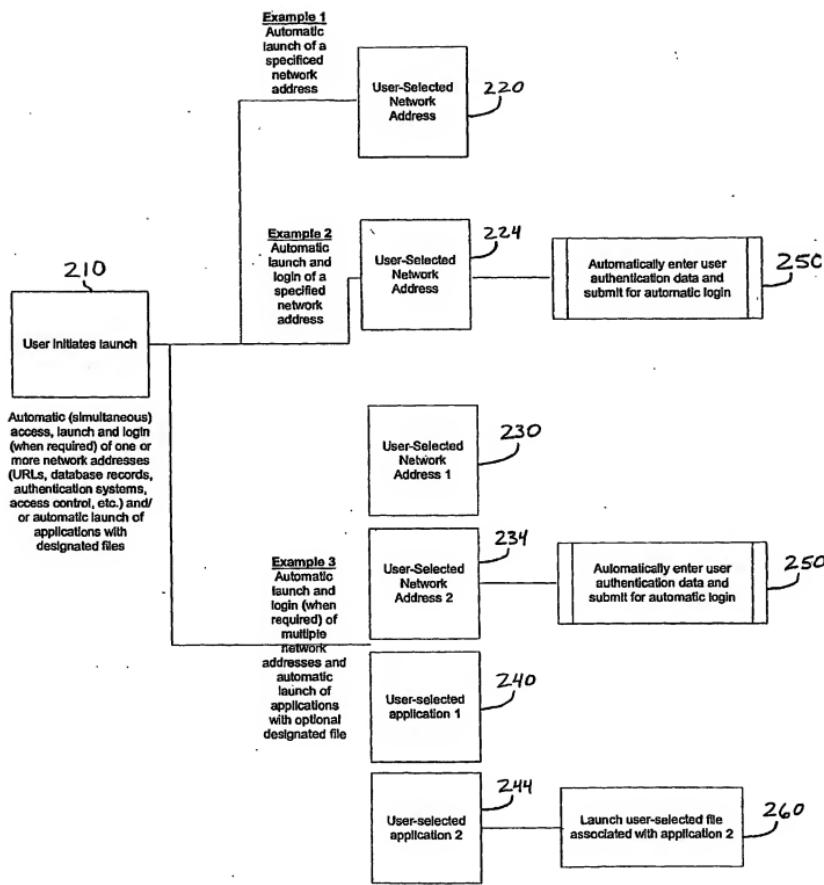
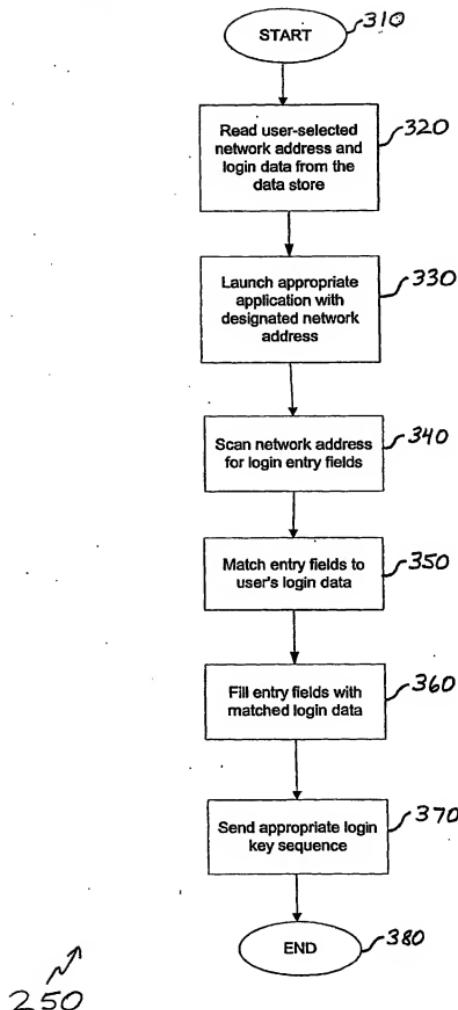
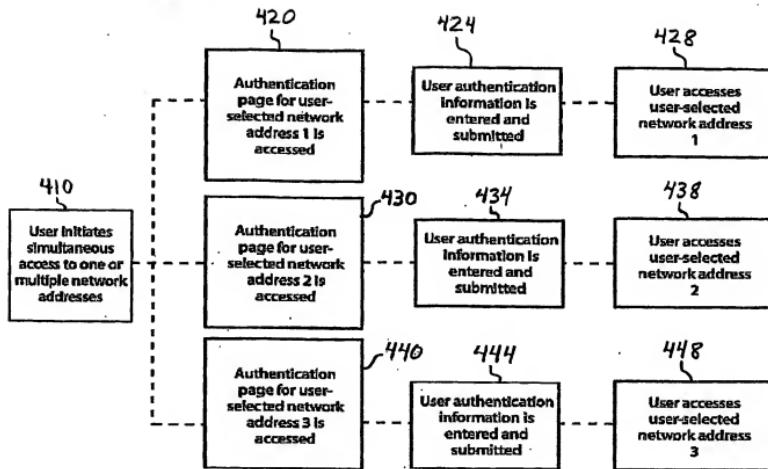


FIG. 2

**FIG. 3**



400

**FIG. 4**

## Welcome to Netissimo® Lite Help!

Welcome to Netissimo® Lite Help. This system has been made available to you in order to familiarize you with the program and help you use Netissimo® Lite.

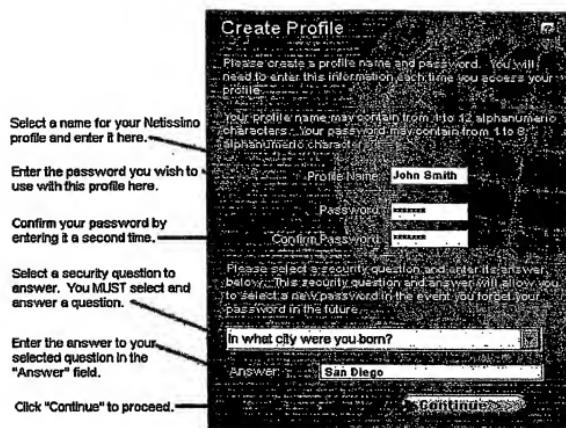
Netissimo® Lite is designed to provide you with a fast, convenient, personalized Internet experience. You will no longer need to memorize or type lengthy Internet addresses, or have to keep track of your usernames and passwords. You can also benefit from the form fill feature that allows you to complete e-commerce forms required for various online transactions with the click of a button!

Netissimo® Lite will automatically be ready and available when you start your computer. To open the program and your autolaunch websites, simply log in to Netissimo® Lite and you are on your way!

APPENDIX A

## Using Netissimo® Lite the First Time

After installing Netissimo® Lite, the "Create Profile" screen will appear and guide you through the process of creating a username and a password. You will be asked to select and answer a security question before proceeding. Should you forget your password in the future you will need to enter the answer to your selected security question in order to create a new password. You must select and answer a security question. When you are finished, click the "Continue" button to proceed.



The "Welcome to Netissimo® Lite" ISP Settings screen will appear allowing you to choose the ISP through which you wish Netissimo® Lite to connect to the Internet.\*

Select the name of the ISP you would like to use as your default from the pull down menu entitled "Default ISP" (this menu contains all ISPs detected on your PC). Enter the username and password for the ISP into the appropriate fields.

In the section entitled "Internet Connection Type" users with AOL installed on their PCs will be asked to specify the method by which they connect to the Internet, regardless of whether or not they intend to use AOL (this section will not be visible to those who do not have AOL installed on their PC). If you use dialup to connect, select the "Dialup" option. If you use a high-speed connection such as cable, DSL, or LAN, select this option.

Once you are done entering the logon information for the ISP you have selected, click "Save." Clicking "Save" will make the screen disappear and the program will begin connecting through the method you have specified.

\*Note: If you have only a cable/DSL/LAN connection on your computer (with no dialup Internet service providers), Netissimo® Lite will automatically detect this and bypass the "ISP Settings" screen.

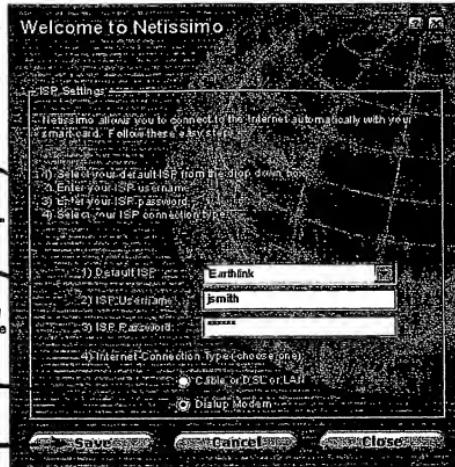
## Using Netissimo® Lite for the First Time

Select the name of the ISP you would like to use from the pull down menu. The ISP selected in the pull down menu when you click "Save" will be used to connect to the Internet every time you use Netissimo.

Use these fields to enter or edit the username and password for the ISP selected in the "Default ISP" pull down menu.

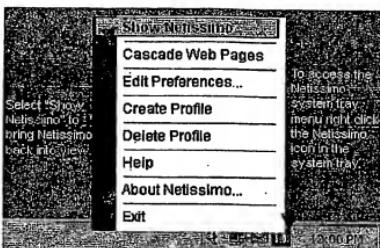
If AOL is installed on your computer, you will be asked to select the method by which you connect to the Internet. If AOL is not installed on your PC, the Internet Connection Type box will not appear.

Click the "Save" button to finish making changes to your ISP settings.

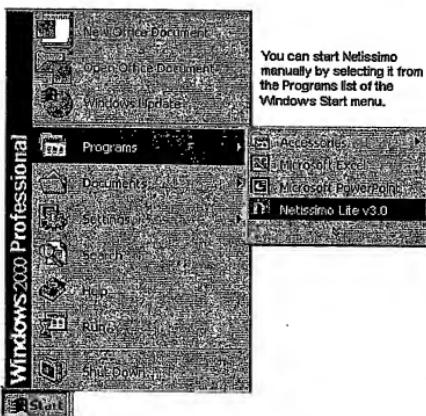


## Starting Netissimo® Lite

Netissimo® Lite will, by default, always be running upon startup of your computer. You can tell whether or not Netissimo® Lite is running by the presence of the Netissimo® Lite icon in the system tray, which is located in the lower right hand corner of your screen. You can bring up Netissimo® Lite by right clicking on the Netissimo® Lite icon in the system tray and selecting "Show Netissimo®" from the Netissimo® Lite system tray menu.

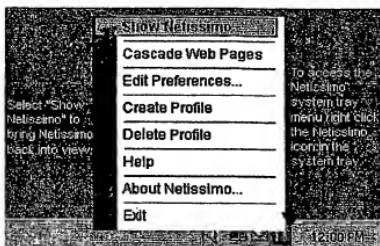


If Netissimo® Lite is not running, you will have to start it manually from the Programs list of the Windows Start menu or by double clicking the Netissimo® Lite shortcut on your desktop.

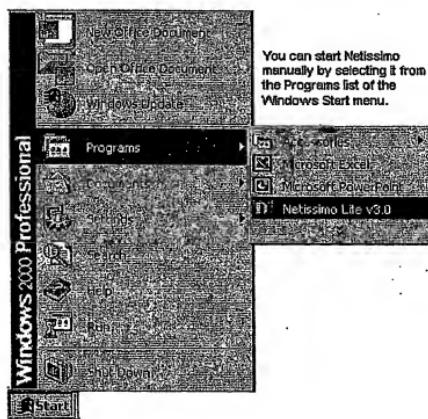


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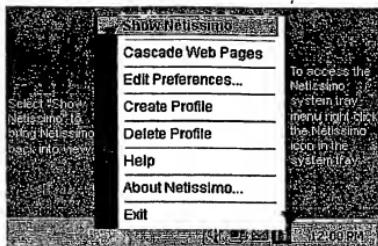


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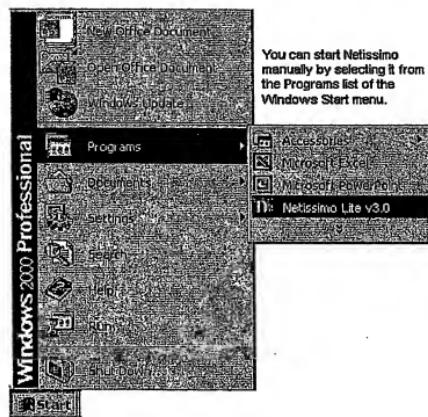


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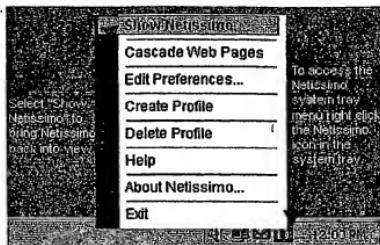
If Netissimo® Lite is not running, you will have to start it manually from the Programs list of the Windows Start menu or by double clicking the Netissimo® Lite shortcut on your desktop.



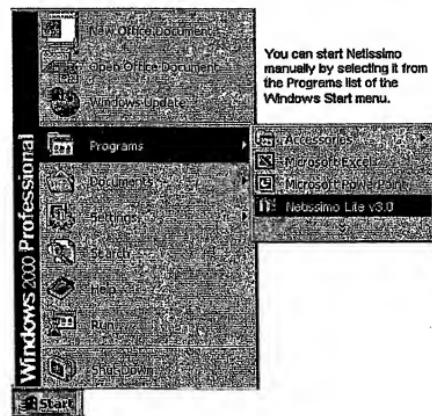
#### Starting Netissimo® Lite

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Netissimo® Lite will, by default, always be running upon startup of your computer. You can tell whether or not Netissimo® Lite is running by the presence of the Netissimo® Lite icon in the system tray, which is located in the lower right hand corner of your screen. You can bring up Netissimo® Lite by right clicking on the Netissimo® Lite icon in the system tray and selecting "Show Netissimo®" from the Netissimo® Lite system tray menu.

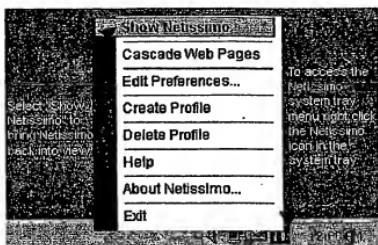


If Netissimo® Lite is not running, you will have to start it manually from the Programs list of the Windows Start menu or by double clicking the Netissimo® Lite shortcut on your desktop.

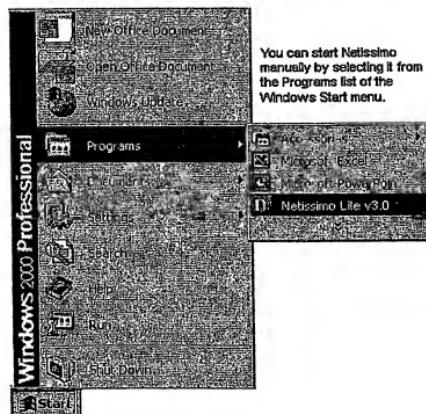


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Netissimo® Lite will, by default, always be running upon startup of your computer. You can tell whether or not Netissimo® Lite is running by the presence of the Netissimo® Lite icon in the system tray, which is located in the lower right hand corner of your screen. You can bring up Netissimo® Lite by right clicking on the Netissimo® Lite icon in the system tray and selecting "Show Netissimo®" from the Netissimo® Lite system tray menu.

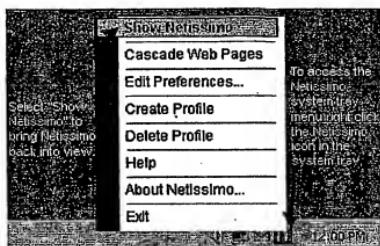


If Netissimo® Lite is not running, you will have to start it manually from the Programs list of the Windows Start menu or by double clicking the Netissimo® Lite shortcut on your desktop.

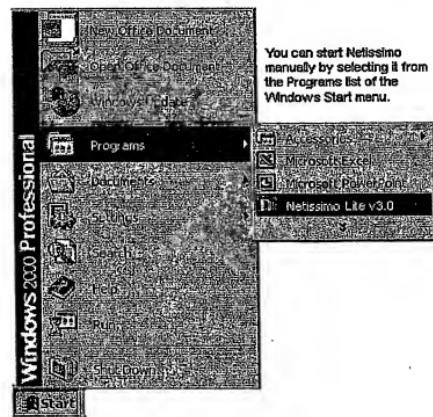


## Starting Netissimo® Lite

Netissimo® Lite will, by default, always be running upon startup of your computer. You can tell whether or not Netissimo® Lite is running by the presence of the Netissimo® Lite icon in the system tray, which is located in the lower right hand corner of your screen. You can bring up Netissimo® Lite by right clicking on the Netissimo® Lite icon in the system tray and selecting "Show Netissimo®" from the Netissimo® Lite system tray menu.

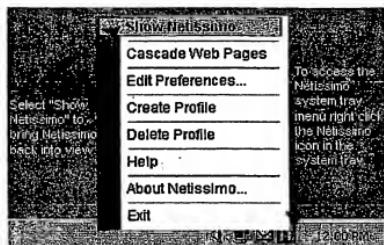


If Netissimo® Lite is not running, you will have to start it manually from the Programs list of the Windows Start menu or by double clicking the Netissimo® Lite shortcut on your desktop.

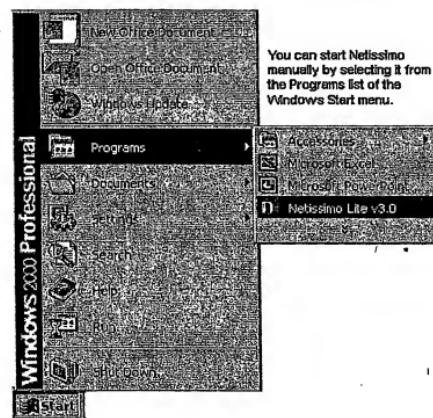


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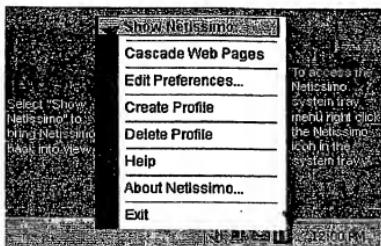


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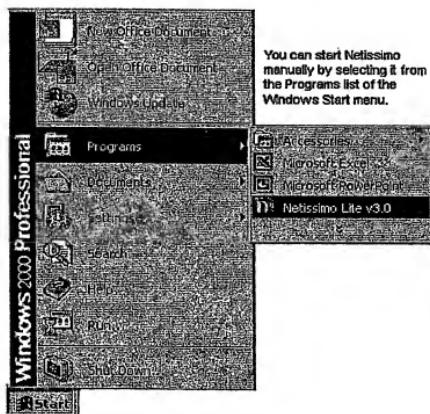


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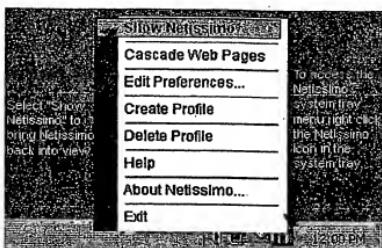


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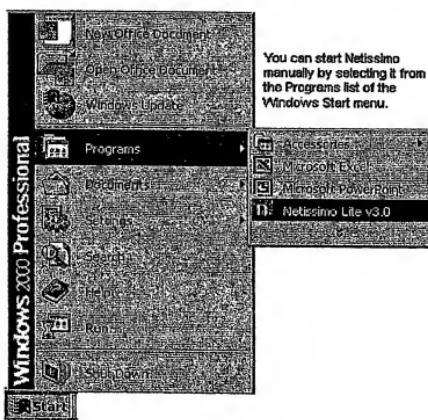


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Netissimo® Lite allows you to set up a dialup modem connection in two places: upon installation you may set up your dialup connection in the "Welcome to Netissimo® Lite" screen which will appear the first time you use the program. If you wish to set up a new dialup connection, or alternate dialup connections during regular use, you may do so in the ISP Settings section of the "Edit Preferences" menu.

In either case, a pull down menu entitled "Default ISP" is provided in which you will find the known Internet connections available on the computer. For each listed connection you wish to use, select the name of the connection from the list, enter the username and password for that connection (remember that usernames and especially passwords are often case sensitive), and click the "Save" button. This information is necessary for Netissimo® Lite to automatically dial and access the Internet.

To select the ISP you wish Netissimo® Lite to use to connect to the Internet, select the ISP's name from the "Default ISP" pull down menu, verify that the username and password for the ISP are entered correctly, and click "Save." The connection that is selected in the "Default ISP" pull down menu when you click "Save" will be the one used to connect to the Internet every time you use Netissimo® Lite.

**Important:** If you want to change your ISP username or password, you must first contact your ISP to make these arrangements. After that they must be changed in the Netissimo® Lite program as well.

Select the name of the ISP you would like to use from the pull down menu. The ISP selected in the pull down menu when you click "Save" will be used to connect to the Internet every time you use Netissimo.

Use these fields to enter or edit the username and password for the ISP selected in the "Default ISP" pull down menu.

If AOL is installed on your computer, you will be asked to select the method by which you connect to the Internet. If AOL is not installed on your PC, the Internet Connection Type box will not appear.

Click the "Save" button to finish making changes to your ISP settings.



### Note to AOL users:

To make AOL the default ISP used by Netissimo®, select "AOL" from the "Default ISP" pull down menu. To store your AOL username and password, carefully enter them into the appropriate fields. This feature gives you automatic and secure access to AOL on any Netissimo® Lite-powered PC. You can use Netissimo® Lite to automatically launch and log in to AOL, and you can even automatically sign on as a guest on any other Netissimo® Lite-powered computer that has AOL installed.

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Users with AOL installed on their PCs must specify the method by which they connect to the Internet in the section called "Internet Connection Type," regardless of whether or not they intend to use AOL (the "Internet Connection Type" section will not be visible to users who do not have AOL installed).

If you use dialup to connect, select the "Dialup" option. If you use a high-speed connection such as Cable, DSL, or LAN, select this option.

Select "AOL" from the pull down menu to make it your default ISP.

Use these fields to enter your AOL username and password.

Select the appropriate radio button for the method by which you connect to the Internet. If AOL is not installed on your PC, the Internet Connection Type box will not appear.

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To select the ISP you wish Netissimo® Lite to use to connect to the Internet, select the ISP's name from the "Default ISP" pull down menu, verify that the username and password for the ISP are entered correctly, and click "Save." The connection that is selected in the "Default ISP" pull down menu when you click "Save" will be the one used to connect to the Internet every time you use Netissimo® Lite.

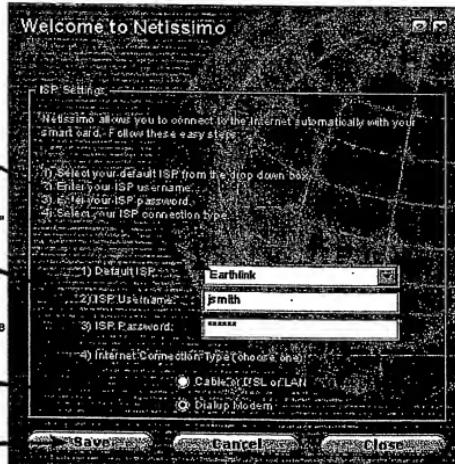
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Select the name of the ISP you would like to use from the pull down menu. The ISP selected in the pull down menu when you click "Save" will be used to connect to the Internet every time you use Netissimo.

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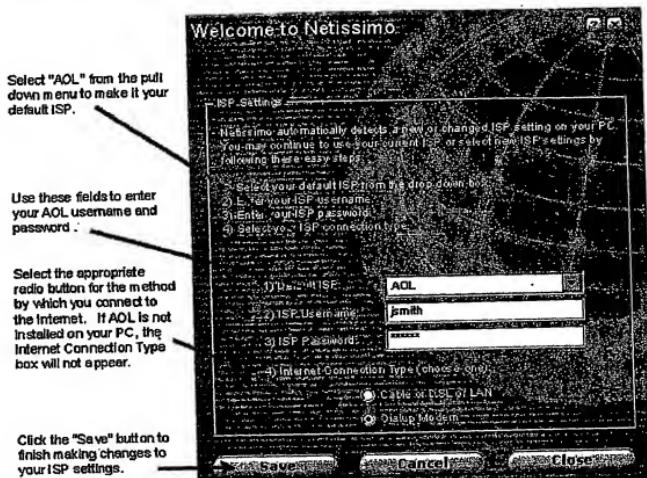
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To make AOL the default ISP used by Netissimo®, select "AOL" from the "Default ISP" pull down menu. To store your AOL username and password, carefully enter them into the appropriate fields. This feature gives you automatic and secure access to AOL on any Netissimo® Lite-powered PC. You can use Netissimo® Lite to automatically launch and log in to AOL, and you can even automatically sign on as a guest on any other Netissimo® Lite-powered computer that has AOL installed.

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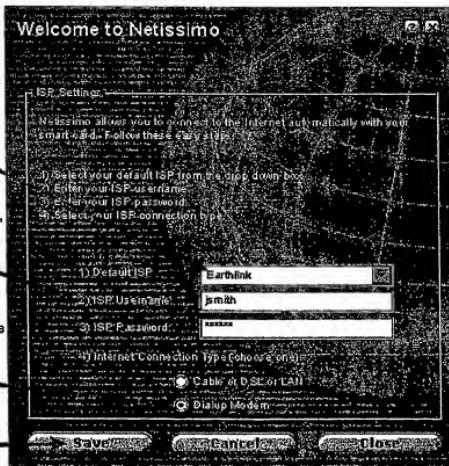
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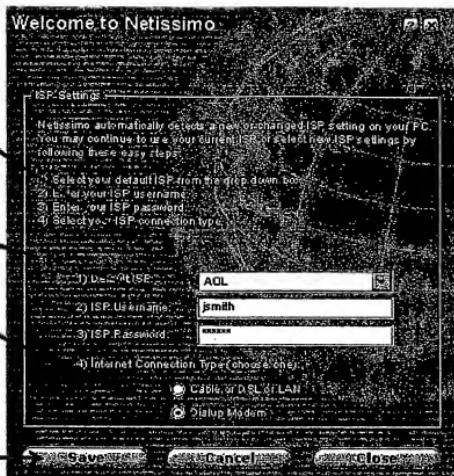
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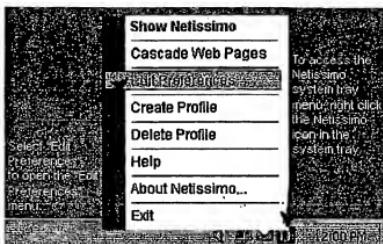
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Click the "Save" button to finish making changes to your ISP settings.



## Changing the Default Internet Service Provider (ISP)

To change the default dialup ISP connection, right click on the Netissimo® Lite icon located in the system tray, which is found in the lower right hand corner of your screen. Select "Edit Preferences" from the Netissimo® Lite system tray menu to open the "Edit Preferences" menu. Select "ISP Settings" from the "I would like to edit my..." pull down menu at the top of the "Edit Preferences" menu to view your ISP settings.



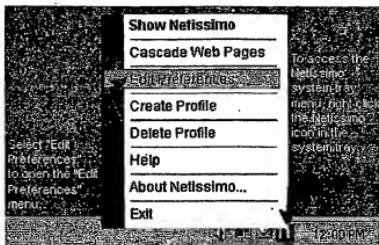
The "Default ISP" pull down menu lists the known Internet connections available on the computer. Select the name of the ISP you wish to use to connect to the Internet from this list. The ISP that is selected in the "Default ISP" pull down menu when you click "Save" will be the one used as the default next time you log in to Netissimo® Lite.

Note to AOL users:

For more information on making AOL the default ISP, see "[Changing the Default ISP to AOL or MSN](#)".

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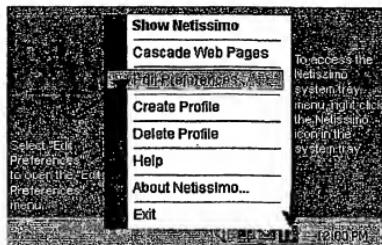
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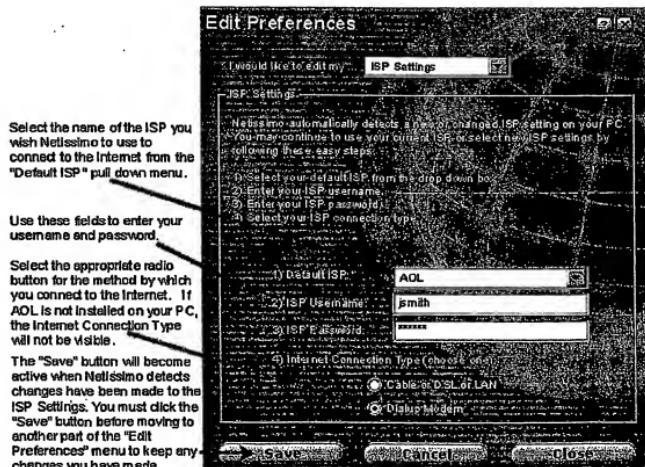
## Changing Usernames and Passwords

To manually change the username and/or password for a particular dialup ISP, right click on the Netissimo® Lite icon located in the system tray, which is found in the lower right hand corner of your screen. Select "Edit Preferences" from the Netissimo® Lite system tray menu.



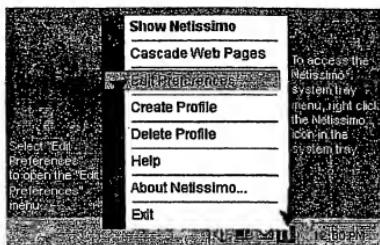
The "Default ISP" pull down menu lists the known ISPs available on the computer. The usernames and passwords can be edited for any connection found on the list. Remember that usernames and especially passwords are often case sensitive. The ISP that is selected in the list when you click "Save" will be the one used to connect to the Internet every time you log in to Netissimo® Lite.

The username and password that you provide must match those that the ISP has assigned to you. If you want to change your ISP username or password, you must first contact your ISP to make these arrangements. After that they must be changed in the Netissimo® Lite program as well.



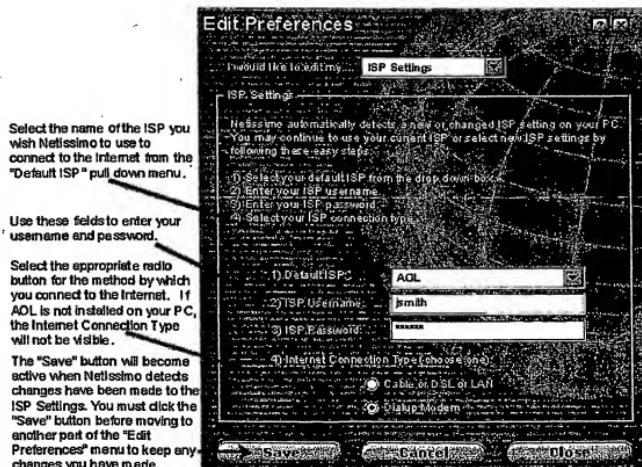
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## Setting Up a Cable, DSL, or LAN Connection

If you connect to the Internet through cable, DSL or other LAN connection, Netissimo® Lite will automatically detect this and use the high-speed connection to access the Internet.

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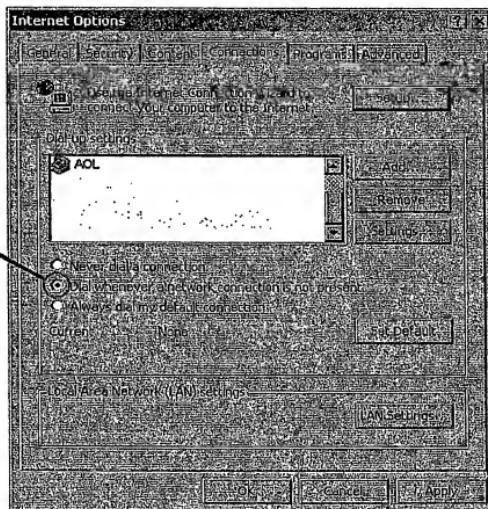
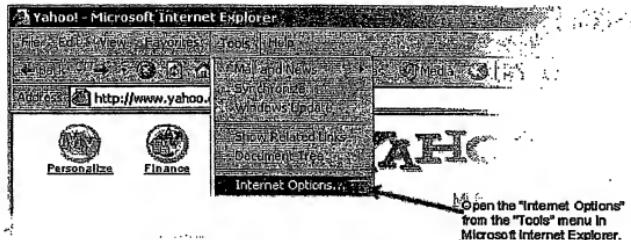
## High-Speed Connection Temporarily Unavailable

Page 1 of 1

## High-Speed Connection Temporarily Unavailable

If you normally rely on cable, DSL, or LAN connection to access the Internet for daily use, but occasionally use a dialup connection in other circumstances, such as traveling, you can temporarily alternate to a dialup connection.

Netissimo® Lite will automatically connect to the default dialup ISP indicated during the setup process when it detects that the cable, DSL, or LAN connection is unavailable, if your default is set to "Dial whenever a network connection is not present" in Microsoft Internet Explorer "Internet Options."



If you have not yet selected a default ISP, see "[Setting Up a Dialup Modem Connection](#)" for details.

Changing Your Internet Connection Type

Once the high-speed Internet connection is installed and properly configured on your computer, Netissimo® Lite will automatically detect the new high-speed connection and use it to connect to the Internet. If AOL is installed on your computer, you may be asked to specify your Internet Connection Type.

If your computer was previously configured for dialup Internet access and you continue to subscribe to it, Netissimo® Lite will use this dialup ISP to connect to the Internet in the event that the new high-speed connection service is discontinued or temporarily unavailable.

## My Web

## My Web

The "My Web" Netissimo® Lite interface view allows you to add, edit, delete, or simply access your websites.

Here is a general overview of "My Web":

The rocket icon indicates that a site is set to autolaunch when you log in to Netissimo®.

The lock icon indicates that a site is set for autologin when you log in to Netissimo.

The radio button and blue highlight indicate which site is currently selected.

The "Minimize" button will allow you to minimize Netissimo so it occupies less space on your desktop.

The "Edit" button opens the Edit Website menu, allowing you to make changes to a website.

The "Close" button will close the interface when clicked. This does not mean that the program has been exited. You may bring the interface up again by right clicking on the Netissimo icon in the system tray and choosing "Show Netissimo."

The "My Web" display area shows you which websites are currently stored in your profile, and whether or not the site is designated as auto-launch or auto-login.

The "Add" button will automatically capture the currently active site.

The "Delete" button will delete the selected website from your profile.

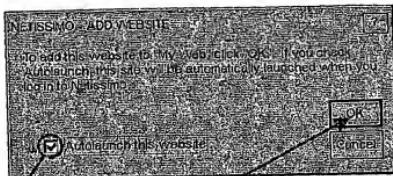
- The "Go" button will open the currently selected website.
- The "Move" button opens the Move Website menu, allowing you to change the order of the websites in the list.

## Autolaunching a Website

## Autolaunching a Website

Netissimo® Lite allows you to designate whether you want a website automatically launched when you log in to your Netissimo® Lite profile. Netissimo® Lite will automatically open and, where appropriate, log in to the websites in your profile that are designated as "Autolaunch." You will be given the option to autolaunch a site when you add a site to "My Web." The "Autolaunch" rocket-shaped icon will appear next to the websites listed in the display area of "My Web" that you have designated as autolaunch websites.

This pop-up box will appear when you log in to password protected pages for the first time.



You can select whether or not you want the site to be autolaunched by checking or unchecking this box.

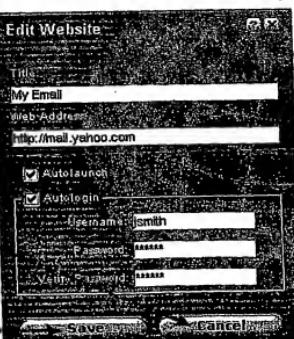
Clicking "OK" will add the site to "My Web". Once the site is added to "My Web", Netissimo will automatically log you in every time you visit the site from that point on.

You can also decide whether or not a site is autolaunched by checking or un-checking the "Autolaunch" box in the "Edit Website" menu. To access the "Edit Website" menu, select the site you want to edit from "My Web" and then click the "Edit" button. The "Edit Website" menu will open allowing you to make changes. Click "Save" after you have made your changes. If you click "Cancel" before clicking "Save" your new autolaunch settings will not be saved.

The "Edit Website" menu will allow you to select whether or not a site is autolaunched by checking or unchecking this box.

Clicking "Cancel" before you click "Save" will cause any changes you have made to be lost.

Click "Save" after you have made your changes.



Note: If you wish to store online accounts that share an Internet address but have different login information (i.e. Account 1, 2, and 3 at MailProvider.com), you may only designate one of those accounts as autolaunch. All accounts sharing a URL must be saved to your Netissimo® Lite profile before you designate one as autolaunch.

For details on how to proceed when adding accounts that share an Internet address, and setting the autolaunch feature, see [Autologin](#).

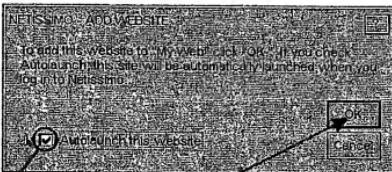
## Autologin

When you log in to a website which requires a username or password that you have never before visited while using Netissimo® Lite, you will be asked whether or not you wish to add the site to "My Web."

If you click "OK", Netissimo® Lite will automatically capture the address and title of the website that you have accessed, along with the username and password for that site, saving you the trouble of having to type in lengthy and confusing Internet addresses, or of having to keep track of all your usernames and passwords. You will also be asked to decide whether you would like the site to be auto launched upon log in to your Netissimo® Lite profile. \* After clicking "OK", you will be automatically logged in by Netissimo® Lite every time you visit the site from that point on.

If you click "Cancel" the site will not be added to "My Web".

This pop-up box will appear when you log in to password protected pages for the first time.



You can select whether or not you want the site to be auto launched by checking or unchecking this box.

Clicking "OK" will add the site to "My Web". Once the site is added to "My Web", Netissimo will automatically log you in every time you visit the site from that point on.

Autologin can also be enabled when you add a site manually through the "Add Website" menu. Please see Adding Websites for more information.

\* If you wish to store online accounts that share an Internet address but have different login information (i.e. Account 1, 2, and 3 at MailProvider.com), you should not check the "Autolaunch" box until all your accounts have been stored. Once all your accounts are stored, you may designate ONE of the accounts as autolaunch.

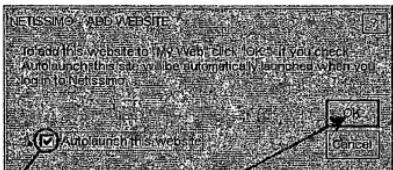
## Autologin

When you log in to a website which requires a username or password that you have never before visited while using Netissimo® Lite, you will be asked whether or not you wish to add the site to "My Web."

If you click "OK", Netissimo® Lite will automatically capture the address and title of the website that you have accessed, along with the username and password for that site, saving you the trouble of having to type in lengthy and confusing Internet addresses, or of having to keep track of all your usernames and passwords. You will also be asked to decide whether you would like the site to be auto launched upon log in to your Netissimo® Lite profile. \* After clicking "OK", you will be automatically logged in by Netissimo® Lite every time you visit the site from that point on.

If you click "Cancel" the site will not be added to "My Web".

This pop-up box will appear when you log in to password protected pages for the first time.



You can select whether or not you want the site to be autolaunched by checking or unchecking this box.

Clicking "OK" will add the site to "My Web". Once the site is added to "My Web", Netissimo will automatically log you in every time you visit the site from that point on.

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## Autologin

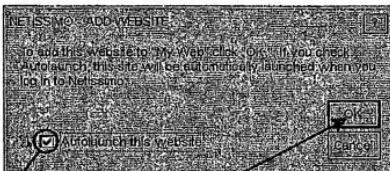
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If you click "Cancel" the site will not be added to "My Web".

This pop-up box will appear when you log in to password protected pages for the first time.



You can select whether or not you want the site to be auto-launched by checking or unchecking this box.

Clicking "OK" will add the site to "My Web". Once the site is added to "My Web", Netissimo will automatically log you in every time you visit the site from that point on.

Autologin can also be enabled when you add a site manually through the "Add Website" menu. Please see [Adding Websites](#) for more information.

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## Autologin

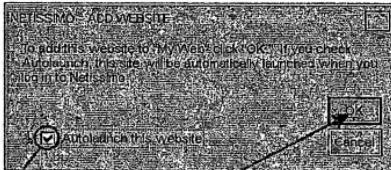
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## Moving Websites

### Moving Websites

You can change the listing order of the websites displayed in "My Web." Simply click on the "Move" button on the "My Web" interface view to open the "Move Websites" menu.

The "Move Websites" menu allows you to move websites up or down in the list relative to the other websites. Click on the website you wish to move to select it. Using the mouse, drag the website to the desired position in the list. You may do this with as many websites as you like.

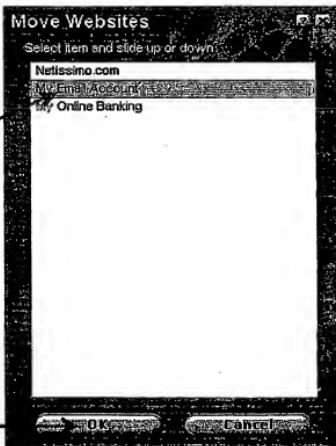
When you are finished, click the "OK" button to close the "Move Websites" menu, and your selected order of the websites will be saved.

If you click the "Cancel" button, your changes to the website order will not be saved and the "Move Websites" menu will close.

The "Move Website" menu allows you to change the order in which sites are listed in "My Web."

To move a website, click on the website you wish to move to select it, and with the mouse, drag it up or down to the desired position in the list.

When you are finished re-ordering your websites, click "OK" to save your changes.



## Maximum Number of Websites

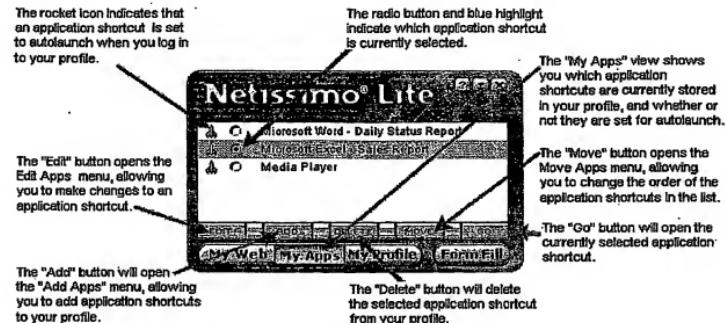
The maximum amount of websites you can store in your Netissimo® Lite profile varies depending on the amount of memory each website entry uses. In most cases, you can store up to 50 websites in your Netissimo® Lite profile.

If at any time you exceed the maximum, you will be warned by a program message that the website cannot be added to "My Web." If you want to add the website to your profile, you may want to delete another website to make room for the new one.

## My Apps

The "My Apps" Netissimo® Lite interface view allows you to add, edit, delete, or simply access your application shortcuts.

Here is a general overview of "My Apps":



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The "My Apps" Netissimo® Lite interface view allows you to add, edit, or simply access your application shortcuts.

Here is a general overview of "My Apps":

The rocket icon indicates that an application shortcut is set to autolaunch when you log in to your profile.

The radio button and blue highlight indicate which application shortcut is currently selected.

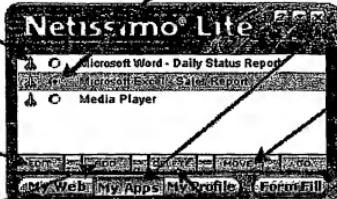
The "My Apps" view shows you which application shortcuts are currently stored in your profile, and whether or not they are set for autolaunch.

The "Edit" button opens the Edit Apps menu, allowing you to make changes to an application shortcut.

The "Move" button opens the Move Apps menu, allowing you to change the order of the application shortcuts in the list.

The "Add" button will open the "Add Apps" menu, allowing you to add application shortcuts to your profile.

The "Delete" button will delete the selected application shortcut from your profile.



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The radio button and blue highlight indicate which application shortcut is currently selected.

The "My Apps" view shows you which application shortcuts are currently stored in your profile, and whether or not they are set for autolaunch.

The "Move" button opens the Move Apps menu, allowing you to change the order of the application shortcuts in the list.

The "Go" button will open the currently selected application shortcut.

The "Delete" button will delete the selected application shortcut from your profile.



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The "Edit" button opens the Edit Apps menu, allowing you to make changes to an application shortcut.

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The radio button and blue highlight indicate which application shortcut is currently selected.

The "My Apps" view shows you which application shortcuts are currently stored in your profile, and whether or not they are set for auto-launch.

The "Move" button opens the Move Apps menu, allowing you to change the order of the application shortcuts in the list.

The "Go" button will open the currently selected application shortcut.

The "Delete" button will delete the selected application shortcut from your profile.



## Deleting Application Shortcuts

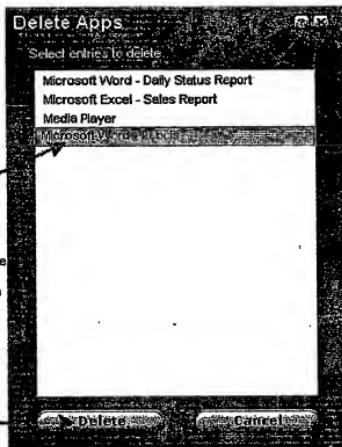
To delete an application shortcut from "My Apps", click the "Delete" button on the "My Apps" view. The "Delete Apps" menu will appear allowing you to select one or more application shortcuts you wish to delete. To select or unselect an application shortcut for deletion, click on it. Once you have selected the application shortcuts you wish to delete, click on the "Delete" button at the bottom of the "Delete Apps" menu. The selected application shortcuts will be removed from the list and deleted from your profile. The deleted application shortcuts will no longer appear listed in "My Apps."

If you change your mind about deleting the application shortcuts, click the "Cancel" button, and the "Delete Apps" menu will close without making any changes.

The "Delete Apps" menu allows you to remove unwanted application shortcuts from "My Apps."

To delete an application shortcut, click on the shortcut you wish to delete to select it. You may select as many application shortcuts as you wish.

When you are finished selecting application shortcuts, click "Delete" and they will be permanently deleted from your profile.



## Deleting Application Shortcuts

To delete an application shortcut from "My Apps", click the "Delete" button on the "My Apps" view. The "Delete Apps" menu will appear allowing you to select one or more application shortcuts you wish to delete. To select or unselect an application shortcut for deletion, click on it. Once you have selected the application shortcuts you wish to delete, click on the "Delete" button at the bottom of the "Delete Apps" menu. The selected application shortcuts will be removed from the list and deleted from your profile. The deleted application shortcuts will no longer appear listed in "My Apps".

If you change your mind about deleting the application shortcuts, click the "Cancel" button, and the "Delete Apps" menu will close without making any changes.

The "Delete Apps" menu allows you to remove unwanted application shortcuts from "My Apps".

To delete an application shortcut, click on the shortcut you wish to delete to select it. You may select as many application shortcuts as you wish.

When you are finished selecting application shortcuts, click "Delete" and they will be permanently deleted from your profile.



Application Shortcut Not Available

## Application Shortcut Not Available

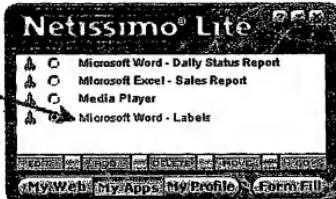
If you rename or move a file for which you have created an application shortcut, the application shortcuts you have created may not be available.

When you log in to your Netissimo® Lite profile, Netissimo® will check to see if the programs and/or files indicated by your application shortcuts are still available on your PC.

If your application shortcut points to a program that is no longer installed on your PC, or has been moved from its original location on the PC, Netissimo® Lite will gray out the application shortcut in the "My Apps" display area.

If your application shortcut points to a program and a specific file for that program to open, Netissimo® Lite will check to see if they are both present on your PC. If either the program or the file are no longer available, Netissimo® Lite will gray out the application shortcut in the "My Apps" display area, and it will not try to launch the shortcut.

When the program or file associated with an application shortcut cannot be found on the PC, Netissimo will gray out the application shortcut in the "My Apps" view.



## Maximum Number of Application Shortcuts

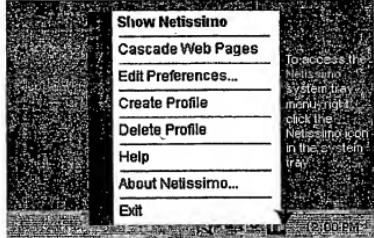
The maximum amount of application shortcuts you can store in your Netissimo® Lite profile varies depending on the amount of memory each application shortcut uses. In most cases, you can store up to 30 application shortcuts in your Netissimo® Lite profile.

If at any time you exceed the maximum, you will be warned by a program message that the application shortcut cannot be added to "My Apps." If you want to add the application shortcut to your profile, you may want to delete another application shortcut to make room for the new one.

## Netissimo® Lite System Tray Menu

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The Netissimo® Lite system tray menu is accessible by right clicking with your mouse on the Netissimo® Lite icon in the system tray (located in the lower right hand corner of your screen).

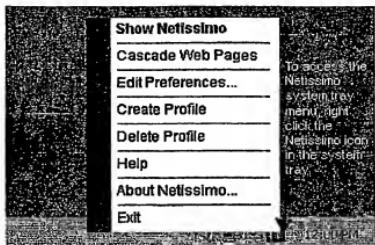


This menu allows you to access the following features:

**Show Netissimo**  
**Cascade Web Pages**  
**Edit Preferences**  
**Create Profile**  
**Delete Profile**  
**Log Out**  
**About Netissimo® Lite**  
**Exit**

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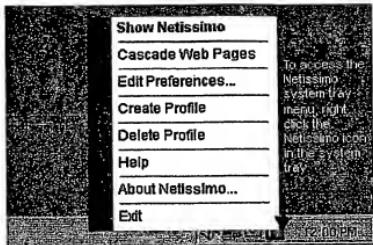
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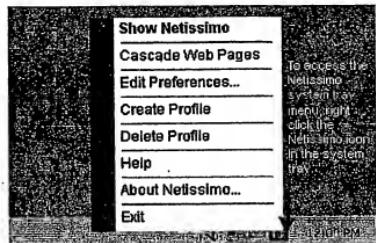
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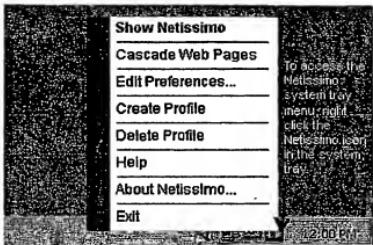


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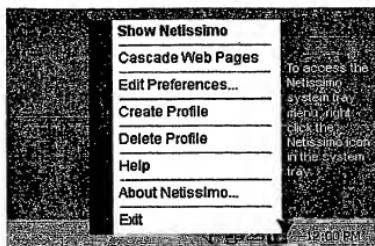


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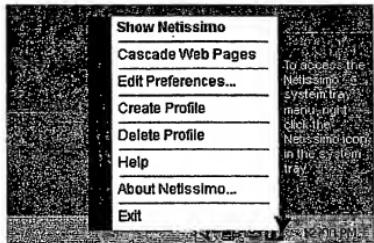


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**Netissimo® 3.0**  
**Functional Specifications Document**

**Proprietary and Confidential**

Last updated  
July 9, 2002

To request referenced documents,  
or to provide comments,  
please contact:

B. Experton  
Humetrix.com, Inc.  
1155 Camino Del Mar #503  
Del Mar, CA 92014  
858.259.8987

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The Netissimo® software is based on a system patented in the U.S. (U.S. Patent  
5,995,965) by Humetrix, Inc. Foreign patents pending. Design patents pending.

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## 1 Introduction

The purpose of this Functional Specifications document is to describe the functionality of the Netissimo® program as accessed and experienced by the end user.

## 2 Installing the Program

### 2.1 *Automatic Installation*

The user installs the Netissimo® application by inserting the Netissimo® Installation CD into the CD ROM drive of his PC.

The Installation runs automatically. The InstallShield Wizard guides the user through the installation process. Once Installation is complete, Netissimo® is running and ready for use, as indicated by the presence of the Netissimo® icon in the system tray.

### 2.2 *Uninstalling the Program*

The user is able to uninstall the Netissimo® application. After exiting Netissimo®, the user selects "Add/Remove Programs" from the Control Panel of his PC. Netissimo® is automatically removed from the user's PC.

## 3 Accessing the Program

### 3.1 *Starting the Program*

The program runs automatically on startup of the user's PC. When the user starts his PC, the program is visible through the program icon displayed in the system tray.

If the user exits the program manually, he must restart the program manually by selecting it from the Windows Start Menu, or by double clicking the icon on the PC desktop.

### 3.2 *Minimizing the Program (Compact Mode)*

The program allows the user to minimize its size on the desktop by sending it into Compact Mode. To send the interface Into Compact Mode, the user clicks on the "Minimize" button found on the main UI screens (INSERT CARD, ENTER PIN, MY WEB, MY APPS, MY PROFILE).

### 3.3 *Maximizing the Program (Full Mode)*

The user returns the program to Full Mode from its minimized state by clicking on the "Maximize" button found on the program's Compact Mode.

### **3.4 Closing the Program**

The user closes the program by clicking on the "Close" button, the user interface is hidden and the program icon remains visible in the system tray. Browser windows remain open and unaffected. Closing the program does not exit the program – the program continues running as indicated by the presence of the program icon in the system tray.

The user may recall the user interface by selecting "Show Netissimo" from the Netissimo® System Tray Menu. When the user recalls the interface, the interface reappears maximized in Full Mode to the screen from which it was minimized.

### **3.5 Exiting the Program**

The user exits the program by selecting "Exit" from the Netissimo® System Tray Menu. Once "Exit" has been selected, the user interface closes, the program icon disappears from the system tray, all open browser windows close, and any open Internet connections are severed.

### **3.6 Security Timeout**

The program has a security timeout measure, which logs the user out of the program if the PC system is inactive for twenty minutes. At the end of twenty minutes of system inactivity, the DISCONNECTING screen appears warning the user that their open browser windows will close at the end of a fifteen-second countdown. If the user does not click "Cancel" on the DISCONNECTING screen before the end of the fifteen-second countdown, the SECURITY TIMEOUT screen appears informing the user that his session has been terminated due to inactivity.

- if the PIN protection is enabled (see "PIN Code Settings"): The user is prompted to re-enter his PIN in order to re-access the program.
- if PIN protection is not enabled (see "PIN Code Settings"): The user is prompted to remove and re-insert his smart card.

All open browser windows close at the end of twenty minutes of system inactivity. The dialup connection is severed unless it was opened before Netissimo® was in use or outside the program.

### **3.7 Inserting the Smart Card**

The program's behavior upon insertion of the smart card varies:

- With PIN code protection enabled (see "PIN Code Settings"): When the user inserts the smart card, the ENTER PIN prompt appears.

- With PIN code protection disabled (see "PIN Code Settings"):
  - Dialup Modem Connection: When the user inserts the smart card, the program automatically initiates dialup through the user's default ISP. Once the program establishes a connection through the ISP, sites designated as "autolaunch" immediately open and the user is logged in to those autolaunched sites also designated as "autologin." The user gains access to the default view of the main interface, My WEB.
  - Cable/DSL/LAN: When the user inserts the smart card he is automatically connected to the Internet. Sites designated as "autolaunch" are immediately opened and the user is logged in to those autolaunched sites also designated as "autologin." The user gains access to the default view of the main interface, My WEB.
- If the program is not running (program icon is not visible in system tray): The user inserts the smart card and receives no response.
- Program is running and non- Netissimo® card is inserted into smart card reader (no other smart card-based software installed on machine): No response from Netissimo®, card is ignored.
- Program is running and non- Netissimo® card is inserted into smart card reader (other smart card-based software is installed on machine): No response from Netissimo®, card communicates only with its own software.
- Program is not running and non- Netissimo® card is inserted (other smart card-based software is installed on machine): No response from Netissimo®, card communicates only with its own software.

### 3.8 *Removing the Smart Card*

When the user removes the smart card from the smart card reader, the program's behavior varies:

- With a dialup modem connection:
  - Opened with Netissimo®: The user interface displays the DISCONNECTING screen, which counts down from fifteen seconds to the termination of the modem connection. At the end of fifteen seconds, the dialup connection is severed and all open browser windows close immediately, all other open windows remain open and unaffected. The user interface closes,

the program continues running, as indicated by the presence of the program icon in the system tray.

- **Opened outside of Netissimo®:** The DISCONNECTING screen appears. At the end of the fifteen-second countdown all open browser windows close immediately, all other open windows remain open and unaffected. The Internet connection is not severed. The user interface closes, the program continues running, as indicated by the presence of the program icon in the system tray.
- **With a Cable/DSL/LAN connection:** The DISCONNECTING screen appears. At the end of the fifteen-second countdown all open browser windows close immediately, all other open windows remain open and unaffected. The user interface closes, the program continues running, as indicated by the presence of the program icon in the system tray.

### 3.9 Re-Inserting the Smart Card

The program's behavior upon re-insertion of the smart card varies:

- **Before expiration of 15-second countdown:** if the smart card is re-inserted before the end of the fifteen-second countdown the Internet connection is maintained and all browser windows remain open and unaffected. The user is required to enter his PIN code to access Netissimo®.
- **After expiration of 15-second countdown:** if the smart card is re-inserted after the lapse of the fifteen-second countdown the Internet connection is severed and all open browser windows are closed. The user is required to enter his PIN code to re-access Netissimo®.

### 3.10 PIN

#### 3.10.1 PIN Setup on First Use

The user installs Netissimo® on his PC for the first time. After installation is complete, the user is prompted to set up his PIN in the WELCOME TO NETISSIMO®>PIN SETUP screen.

##### 3.10.1.1 Enabling PIN Protection of Smart Card

In the first portion of the WELCOME TO NETISSIMO®>PIN SETUP screen, the user is asked to decide whether or not he would like to use a PIN.

If the user elects to

- enable PIN protection, he checks the "Use a PIN" checkbox and enters a PIN into the "New PIN" and "Confirm PIN" fields. The PIN can be from 1 to 8 characters in length, may contain both letters and numbers, and is case sensitive. The information entered in the "New PIN" and "Confirm PIN" fields must be identical. If the information in the fields differs, the user is notified in an error message. The user then moves to the security question portion of the screen.
- disable PIN protection, he checks the "Don't Use a PIN" checkbox and moves to the security question portion of the screen.

#### 3.10.1.2 Security Question

In the second portion of the WELCOME TO NETISSIMO>PIN SETUP screen, the user is asked to select a question from the drop-down menu containing a list of pre-selected security questions (i.e. What is your mother's maiden name?). The user selects the question of his choice and enters the answer to the selected question in the "Answer" field. The answer is not case sensitive.

The program will ask the user to provide the answer to the selected question if he forgets his PIN and needs to change it in order to access the program (see "Forgotten PIN").

Once the user has selected a security question and entered an answer, he clicks on the "Continue" button to proceed to the WELCOME TO NETISSIMO>ISP SETTINGS dialog box.

If the user clicks the "Continue" button before having selected a security question, or without entering an answer to the selected question, he is warned in a program message box that he must select a question and answer it before proceeding.

#### 3.10.2 Enter PIN

After inserting the smart card, the user is prompted to enter his PIN code into the ENTER PIN prompt (if PIN code protection of the card has not previously been disabled by the user). The user submits the PIN he has typed into the field by clicking on the "Enter PIN" button, or by hitting the "Enter" key.

The program's behavior immediately after the PIN code is submitted varies:

- Dialup Modem Connection: The program initiates dialup through the user's default ISP. The program then establishes an Internet connection through the selected default ISP and sites designated as "autolaunch" are immediately opened and the user is logged in to those autolaunched sites also designated as "autologin." The user gains access to the main interface, MY WEB.

**Cable/DSL/LAN Connection:** The user is automatically connected to the Internet. Sites designated as "autolaunch" are immediately opened and the user is logged in to those autolaunched sites also designated as "autologin." The user gains access to the main interface, MY WEB.

### 3.10.3 Forgotten PIN

If the user forgets his PIN, he clicks on "Forgot My PIN" on the ENTER PIN prompt. The FORGOT My PIN dialog box opens displaying the security question the user selected in PIN setup on first use.

The user must enter the same answer to the security question as he entered during PIN setup in the "Answer" field. The "Answer" field is not case sensitive.

The user must then select a new PIN and enter it into the "New PIN" and "Confirm PIN" fields. The PIN can be from 1 to 8 characters in length, may contain both letters and numbers, and is case sensitive. The information entered in the "New PIN" and "Confirm PIN" fields must be identical. If the information in the fields differs, the user will be notified in an error message.

Once the user has answered the security question and selected a new PIN, he clicks the "OK" button. The FORGOT My PIN dialog box closes and the user is returned to the ENTER PIN prompt where he enters his new PIN to gain access to the program.

If the user enters an incorrect answer into the "Answer" field, he is warned via a program message box that the answer he has entered does not match the answer he provided in PIN setup during first use.

## 4 Accessing the Internet

### 4.7 Dialup Modem Connection

#### 4.1.1 Setting Up a Dialup Modem Connection on First Use

The user installs Netissimo® on his PC for the first time. After installation is complete, the user inserts the smart card into the smart card reader. He is then prompted to set up his PIN. Once he completes PIN set up and passes PIN clearance (if applicable, based on set up), the WELCOME TO NETISSIMO®>ISP SETTINGS dialog box opens. The user follows the directions on the screen to select the default Internet connection to be used with Netissimo®.

#### 4.1.1.1 Automatic Detection of ISPs on Installation

The program automatically detects all ISPs installed on the PC at the time of Netissimo® installation. The list of ISPs detected by the program is accessible in a drop-down combo box entitled "Default ISP" in the WELCOME TO NETISSIMO®>ISP SETTINGS dialog box.

#### 4.1.1.2 Setting the Default ISP

The user selects which of the ISPs listed in the "Default ISP" box in the WELCOME TO NETISSIMO>ISP SETTINGS dialog box he wishes Netissimo® to use to connect to the Internet.

#### 4.1.1.3 Entering ISP Logon Information

The user enters the username and password for the ISP he has selected in the "Default ISP" box in the fields "ISP Username" and "ISP Password."

- If AOL or CompuServe Is Installed on the PC, the user proceeds to the "Internet Connection Type" section of the screen.
- If AOL or CompuServe Is not Installed on the PC, the "Internet Connection Type" section of the screen does not load. The user clicks the "Save" button and the logon information for the default ISP is saved. The user then clicks the "Close" button to close the screen. The program immediately initiates dialup through the selected ISP once the screen has been closed.

#### 4.1.1.4 Internet Connection Type

- If AOL or CompuServe Is Installed on the user's PC, the user is asked to select the method by which he connects to the Internet: Dialup Modem or Cable/DSL/LAN.
- If AOL or CompuServe Is not Installed on the user's PC, the Internet Connection Type section does not load.

The user completes selecting the Internet connection by clicking "Save" after he has selected the default ISP, entered the logon information, and, where applicable, selected the Internet connection type.

The user then clicks "Close" to close the WELCOME TO NETISSIMO>ISP SETTINGS dialog box. Once the user has clicked "Close" the program proceeds to the CONNECTION STATUS screen as it initiates a dialup connection. The CONNECTION STATUS screen does not appear until after the user has clicked "Close."

If the user clicks the "Cancel" button before the ISP setup process is successfully completed, the next time the user inserts the smart card and enters his PIN code, the WELCOME TO NETISSIMO>ISP SETTINGS dialog box will appear.

#### 4.1.2 Connection via Dialup Modem

When the user inserts the smart card and enters his PIN (where applicable) the program initiates dialup through the selected default ISP. The CONNECTION STATUS screen appears

and gives the status of the connection to the ISP. Once a connection is successfully established, the user accesses the default view of the main Interface, MY WEB. If the program is unsuccessful in establishing a connection, see "Dialup Connection Errors."

If the user wishes to cancel the dialup connection he may do so by pressing the "Cancel" button on the CONNECTION STATUS screen. If the user does press "Cancel," the interface returns to the CONNECTION STATUS screen with the addition of the "ISP Settings" and "Redial" buttons (see "Dialup Connection Errors").

#### 4.1.3 Autodial

Autodial occurs immediately when the user inserts the smart card into the smart card reader (with PIN code protection disabled – if PIN code protection is enabled, the user must first enter the PIN). The insertion of the smart card triggers dialup and connection through the user-selected default ISP.

#### 4.1.4 Disconnecting from a Dialup Connection

##### 4.1.4.1 Connection Opened by Netissimo\*

The user disconnects from the Internet by removing the smart card from the smart card reader. The DISCONNECTION screen appears, and counts down from fifteen seconds to the termination of the modem connection. At the end of fifteen seconds, the dialup connection is severed and all open browser windows close immediately; all other open windows remain open and unaffected. The user interface closes (if "Show on Startup" is not selected) and the program continues running, as indicated by the presence of the program icon in the system tray.

##### 4.1.4.2 Connection Opened Outside of Netissimo\*

When the user removes the smart card from the smart card reader all open browser windows are immediately closed at the end of the 15-second countdown. The dialup connection is not severed. The user interface disappears from view (if "Show on Startup" is not selected) and the program continues running, as indicated by the presence of the program icon in the system tray.

#### 4.1.5 Dialup Connection Errors

When the user inserts the smart card and enters his PIN (if PIN code protection is enabled) the program initiates dialup through the selected default ISP. If the program is unsuccessful in establishing a connection with the ISP, an error message detailing the reason the connection could not be established (i.e. "Line is busy.") appears on the CONNECTION STATUS screen. Two buttons appear: "Redial" and "ISP Settings."

##### 4.1.5.1 Redial

When the user clicks the redial button the program initiates dialup through the selected default ISP.

#### 4.1.5.2 ISP Settings

If the user clicks "ISP Settings," the EDIT PREFERENCES>ISP SETTINGS dialog box opens. The user is allowed to select a different default ISP or to edit the logon information for the current ISP.

#### 4.1.6 Changing the Default ISP

To change the default ISP the user clicks on "Edit Preferences" in the Netissimo® System Tray Menu and selects "ISP Settings" from the "I would like to edit my..." pull down menu. The EDIT PREFERENCES>ISP SETTINGS screen displays the current default ISP as selected by the user during first use in a drop-down combo box entitled "Default ISP." The "Default ISP" box contains a list of all ISPs currently detected on the PC.

- If there is more than one ISP on the computer, the user may select a different ISP from the "Default ISP" box.
  - If the user selects a standard dialup ISP: The user enters the logon information for the newly selected ISP in the fields "ISP Username" and "ISP Password" and saves the changes by clicking the "Save" button. The ISP selected in the "Default ISP" drop-down combo box at the time the "Save" button is clicked is the user's new default ISP. The user must then click "Close" to close the EDIT PREFERENCES dialog box. Once the EDIT PREFERENCES dialog box is closed the program automatically initiates dialup through the newly selected default ISP.
  - If the user selects a proprietary ISP (i.e. AOL, MSN, CompuServe):
    - Before the smart card is inserted into the smart card reader or the user has entered their PIN: The username and password fields are grayed out and the user is unable to edit or add to them. The user clicks "Save" and then "Close" to close the EDIT PREFERENCES>ISP SETTINGS dialog box. The user then inserts his card and/or enters his PIN. Once his PIN has been entered the EDIT PREFERENCES>ISP SETTINGS dialog box appears once again. The user is able to enter his username and password. The user clicks "Save" and then "Close." Once the EDIT PREFERENCES>ISP SETTINGS dialog box closes, the program automatically initiates dialup through the newly selected default ISP.
    - After the user has inserted their smart card and entered their PIN: The user enters the logon information for the newly selected ISP in the fields "ISP Username" and "ISP Password" and saves the changes by clicking the "Save" button. The user clicks the "Close" button to close

the EDIT PREFERENCES dialog box. The user is then prompted by the program to Insert his smart card. If the card Is PIN protected, the user is prompted to enter his PIN code. Once the PIN is entered, or the card is inserted, the program initiates dialup through the newly selected default ISP.

The user can abort any changes made to the default ISP Information by clicking "Cancel" before the "Save" button is clicked. Once "Cancel" is clicked, the EDIT PREFERENCES>ISP SETTINGS dialog box closes and no changes are made to the ISP Settings.

- If there is only one ISP on the computer, the user is unable to change the default ISP.

#### 4.1.7 Setting up a Cable/DSL/LAN Connection on First Use

After the user installs Netissimo® on his PC for the first time and inserts the smart card into the smart card reader, he is prompted to set up his PIN. The ENTER PIN prompt will/will not appear based on PIN set up (see "PIN Setup on First Use").

The program's behavior immediately after PIN clearance varies:

- If AOL or CompuServe is not installed on the PC, the user is automatically connected.
- If AOL or CompuServe is installed on the PC, the WELCOME TO NETISSIMO>ISP SETTINGS dialog box opens. The user selects "Cable/DSL/LAN" from the "Internet Connection Type" section. The user completes setting up the Internet connection by clicking "Save" after he has selected the Internet connection type. The user then clicks "Close" to close the WELCOME TO NETISSIMO>ISP SETTINGS dialog box. Once the WELCOME TO NETISSIMO>ISP SETTINGS dialog box closes, the program automatically connects to the Internet through the cable/DSL/LAN connection.

#### 4.1.8 Connecting via Cable/DSL/LAN

The user inserts the smart card into the smart card reader and is prompted to enter his PIN (where applicable). The user is automatically connected: browser windows containing sites designated as "autolaunch" are immediately opened, and the user is logged in to those autolaunched sites also designated as "autologin." The user gains access to the default view of the main interface, MY WEB.

#### 4.1.9 Disconnecting from a Cable/DSL/LAN Connection

When the user removes the smart card from the smart card reader the DISCONNECTING screen appears. At the end of the fifteen-second countdown all open browser windows

close immediately, all other open windows remain open and unaffected. The user interface closes and the program continues running, as indicated by the presence of the program icon in the system tray.

#### 4.2 *Changing Internet Connection Type*

To change Internet connection type,

- From dialup modem connection to cable/DSL/LAN connection:
  - AOL or CompuServe is not Installed on the PC: The next time the smart card is inserted after installation of the high-speed connection, the user is automatically connected via the network.
  - AOL or CompuServe is installed on the PC: When the user selects "Edit Preferences" from the Netissimo® System Tray Menu and then selects "Cable/DSL/LAN" under "Internet Connection Type," the next time the smart card is inserted, the user is automatically connected via the network.
- From cable/DSL/LAN connection to dialup modem connection:
  - AOL or CompuServe is not installed on the PC:
    - If the LAN is still present but he does not want to use it, the user must select "Always dial my default connection" in Internet Explorer's "Tools > Internet Options > Connection" settings.
    - If the LAN connection is not present at the time (i.e. the user is traveling), the user may select "Dial whenever a network connection is not present" under Internet Explorer's "Tools > Internet Options > Connection" settings. When a new dialup connectoid is added, Netissimo® automatically opens the EDIT PREFERENCES>ISP SETTINGS dialog box, prompting the user to enter the logon information for the new dialup connection. The user must select the dialup connection he wishes to use as the default (see "Setting the Default ISP") and click "Save." The user is not asked to select the Internet connection type. Once he has clicked "Save," the user clicks "Close" to close the EDIT PREFERENCES>ISP SETTINGS dialog box. When the user inserts the smart card, the program initiates a dialup connection to the default dialup ISP.
  - AOL or CompuServe is installed on the PC:

- o If the LAN is still present but he does not want to use it, the user must select "Always dial my default connection" in Internet Explorer's "Tools > Internet Options > Connection" settings.
- o If the LAN connection is not present at the time (i.e. the user is traveling), the user may select "Dial whenever a network connection is not present." When a new dialup connectoid is added, Netissimo automatically opens the EDIT PREFERENCES>ISP SETTINGS dialog box prompting the user to enter the logon information for the new dialup connection. The user must select the dialup connection he wishes to use as the default (see "Setting the Default ISP"), select the Internet connection type and click "Save." Once he has clicked "Save," the user clicks "Close" to close the EDIT PREFERENCES>ISP SETTINGS dialog box. When the user inserts the smart card, the program initiates a dialup connection through the default dialup ISP.

#### **4.3 Automatic Detection of New Connectoids**

Netissimo® automatically detects when a new connectoid (such as a dialup ISP connection) is added to Windows Dialup Networking and automatically opens the EDIT PREFERENCES>ISP SETTINGS dialog box the next time the program is in use after the new connectoid has been added, allowing the user to enter the username and password for the new ISP.

### **5 User Interface**

The user may move the Netissimo® User Interface on the desktop by clicking on its upper left-hand portion with the mouse, and dragging it to the desired position on the screen.

The Netissimo® User Interface may be configured in the following four ways, as needed:

1. **Netissimo®**  
Includes MY WEB interface view.
2. **Netissimo® Plus Form Fill**  
Includes MY WEB and MY PROFILE interface views.
3. **Netissimo® plus Application Launch**  
Includes MY WEB and MY APPS interface views.
4. **Netissimo® plus Form Fill and Application Launch**  
Includes MY WEB, MY PROFILE, and MY APPS interface views.

### 5.1 "My Web" Interface View

The MY WEB interface view is the default view displayed after PIN clearance. Its display area lists the websites that are stored on the card and indicates whether a site has been designated as autolaunch or autologin.

The My WEB interface view allows the user to access the following functions:

#### 5.1.1 Autolaunch of Websites

"Autolaunch" means that a website is automatically opened in a browser window by the program upon insertion of the smart card and connection to the Internet.

The "Autolaunch" rocket-shaped icon appears next to the websites listed in the display area of My WEB that are designated as autolaunch sites. The presence of the icon next to a listed website reflects any changes the user makes to the autolaunch status of a website in the EDIT WEBSITE dialog box.

All websites designated as autolaunch are opened simultaneously in separate browser windows upon insertion of the smart card and connection to the Internet.

The user controls whether or not a website is autolaunched when the smart card is inserted into the smart card reader in two places:

- Autocapture at first login: when the user visits a site that is not yet stored on the smart card and that requires authentication information, he enters the login information into the web page's fields and submits the information to the site. The NETISSIMO® - ADD WEBSITE prompt appears and asks the user whether he wishes to add the site, and gives the user the option to designate the site as an autolaunch site.

The user checks/does not check the "Autolaunch" checkbox to select whether or not he wants the site to be autolaunched the next time the smart card is inserted. When the user clicks "OK," the NETISSIMO® - ADD WEBSITE prompt closes and the website title, URL, and login information are stored on the smart card. The website appears listed by its title in My WEB.

- Manually adding a site to My WEB: When the user visits a website he wishes to add, he clicks "Add" on the MY WEB function bar with the website of interest fully loaded, and the browser window containing the site of interest in focus. The ADD WEBSITE dialog box appears with the "Title" and "Web Address" fields pre-populated with the information from the active browser page by the autocapture (see below).

The user checks/does not check the "Autolaunch" checkbox to select whether or not he wants the site to be autolaunched the next time the smart card is inserted. When the user clicks "Save" the ADD WEBSITE dialog box closes.

#### 5.1.2 Autocapture of Websites

The program automatically captures the title, URL, and authentication information submitted to websites visited while using Netissimo®.

- Sites Requiring User Authentication Information:
  - When the user visits a site for the first time after installing Netissimo® and enters the authentication information required by the site (i.e. username and password) the NETISSIMO® - ADD WEBSITE prompt opens asking the user if he wants to store the site to his card. The user has the option of designating the site as autolaunch at this time. The user clicks "OK" and the site is added to the list of websites in the MY WEB Interface view display area, with the "Autolaunch" (if "Autolaunch" was selected) and "Autologin" icons next to it. If the user clicks "Cancel" the website information is not stored to his card.
  - If the user visits a site for which he has not yet registered, when he completes the registration process the program detects when the username and password fields are completed and opens the NETISSIMO® - ADD WEBSITE prompt.
  - Autocapture also occurs when the user adds a website manually through the ADD WEBSITE dialog box, accessed by clicking on "Add" on the MY WEB interface view.
    - With no browser windows open, the user can then manually enter the URL, site title, username and password information, and click "Save." The next time the user accesses the website, be it through autolaunch or manually, he is automatically logged in to the website by Netissimo®.
    - With the desired website fully loaded into the active browser window, the user clicks "Add" on the MY WEB interface view. The ADD WEBSITE dialog box opens with the "Title" and "Web Address" fields pre-populated with the site's title and URL by the autocapture. The user can then manually complete the "Username" and "Password" fields and click "Save" to finish adding the website to the card. The next time the user accesses the website, be it through autolaunch or manually, he is automatically logged in to the website by Netissimo®.

- **Sites That Do Not Require User Authentication Information:** When the user wants to add a site that does not require user authentication information to the smart card, he must do so manually by clicking "Add" on the MY WEB interface view with the desired website fully loaded in the active browser window. The ADD WEBSITE dialog box opens with the "Title" and "Web Address" fields pre-populated with the site's title and URL by the autocapture. The user then clicks "Save" to save the site to the smart card.

#### 5.1.3 Autologin

The "Autologin" lock-shaped icon appears next to the websites listed in the display area of MY WEB designated as autologin sites. The presence of the icon next to a listed website reflects any changes the user makes to the autologin status of a website in the EDIT WEBSITE dialog box.

#### 5.1.4 Adding Websites

The user manually adds websites to the smart card by clicking "Add" on the MY WEB interface view function bar.

- With the website of interest fully loaded into the active browser window, the ADD WEBSITE dialog box will open with the "Title" and "Web Address" fields pre-populated with information autocaptured from the site.

The user may leave the information provided by the autocapture unchanged, or he may edit it. For example, the user may change the name of the website record in the "Title" field and assign a name that allows him to distinguish it more easily from the others in the event of multiple accounts (i.e. "My Home Email" as opposed to "Sign In- Yahoo Mail) in the ADD WEBSITE dialog box. The name assigned in the "Title" field is the name by which the address appears in the MY WEB interface view. The user clicks "Save" to save the website record to the card. Once the user clicks "Save," the ADD WEBSITE dialog box closes.

If the user clicks "Cancel," the website information will not be saved to the card.

- With no websites open, the ADD WEBSITE dialog box will open with blank fields. The user may enter the website information into the "Title," "Web Address," "Autolaunch," "Autologin," "Username," and "Password" fields. The user then clicks "Save" to save this website record to the card. Once the user clicks "Save," the ADD WEBSITE dialog box closes.

If the user clicks "Cancel," the website information will not be saved to the card.

**5.1.4.1 Multiple Logins for One URL**

If the user wishes to store online accounts that share an Internet address but have different login information (i.e. Account 1, 2, and 3 at MailProvider.com), he does not check the "Autolaunch" box until all accounts have been added to his card. Once all accounts are stored, he may designate ONE of the accounts as autolaunch.

**5.1.4.2 Maximum Number of Websites**

The maximum number of websites the user can store on the card is determined by the amount of memory on the smart card and the length of the URLs. The user can, in most cases, fit at least fifty websites on his card. When the user exceeds the maximum amount of storage space on the card, he is warned that no new websites can be added due to lack of space. The user can add new websites by deleting an old one to make room on the card.

**5.1.5 Editing Websites**

The user edits a website record by selecting the name of the website he would like to edit on the MY WEB interface view and clicking "Edit" on the MY WEB interface view function bar.

The EDIT WEBSITE dialog box opens and allows the user to make changes to the title, URL, username, password, and autolaunch/autologin status of the selected website.

Once the user has made the changes and clicked "Save" to keep the changes, the EDIT WEBSITE dialog box closes.

If the user clicks "Cancel" the changes are lost and the EDIT WEBSITE dialog box closes.

**5.1.6 Deleting Websites**

To delete a website, the user clicks on the "Delete" button on the MY WEB function bar. The DELETE WEBSITES dialog box opens and the user selects one or more websites to delete from the list by clicking on them. Selected websites will be highlighted.

Once the user has selected the website(s) he wishes to delete, he clicks on the "Delete" button, and the websites are removed from the list and the DELETE WEBSITES dialog box closes.

If the user clicks "Cancel" the DELETE WEBSITES dialog box closes and no websites are deleted.

Once the website is deleted, its name is removed from the list in the MY WEB display.

### 5.1.7 Moving Websites

The user can change the listing order of the websites stored on the card and displayed in My WEB. The user clicks on the "Move" button on the My WEB function bar to open the MOVE WEBSITES dialog box.

The MOVE WEBSITES dialog box allows the user to move websites up or down in the list relative to the other websites. The user first clicks on the website he wishes to move to select it. Using the mouse he then drags the website to the desired position in the list. The user may do this with as many websites as he wishes.

Once the websites are in the desired order, the user clicks the "OK" button to close the MOVE WEBSITES dialog box, and his selected order of the websites is saved. If the user clicks the "Cancel" button, his changes are not saved and the MOVE WEBSITES dialog box closes.

### 5.1.8 Pre-Programmed Websites

The user's smart card can come pre-programmed with client-selected websites that autolaunch when the user inserts his smart card into the smart card reader. The user is not able to delete these websites from his smart card, or edit any of the website information with the exception of whether or not the site is set to "autolaunch" when he inserts his smart card into the smart card reader.

### 5.1.9 Accessing a Website from the Interface

To access a website in the My Web list from the My Web interface view, the user double clicks on the website, or selects the website (indicated by a radio button) and clicks the "Go" button. The website is opened in a new browser window.

## 5.2 "My Apps" Interface View

The My APPS interface view is displayed when the user clicks the "My Apps" button on the main interface. Its display area displays the name of the shortcut (application/file bookmark) as designated by the user.

The MY APPS Interface view allows the user to access the following functions:

### 5.2.1 Autolaunch of Application Shortcuts

"Autolaunch" means that upon insertion of the smart card and PIN verification the application and/or file associated with an application shortcut is automatically launched and opened by Netissimo®.

The "Autolaunch" rocket-shaped icon appears next to the shortcuts listed in the display area of MY APPS that are designated as autolaunch shortcuts. The presence of the icon

next to a listed shortcut reflects any changes the user makes to the autolaunch status of a shortcut in the EDIT APPS dialog box.

All shortcuts designated as autolaunch are opened simultaneously upon insertion of the smart card and PIN verification. Shortcuts that are not designated as autolaunch are not opened upon insertion of the smart card.

The user controls whether or not a shortcut is autolaunched in two instances:

- When the user first creates a shortcut from the ADD APPS dialog box, accessed by clicking the "Add" button on the MY APPS function bar.
- Or when the user edits the shortcut from the EDIT APPS dialog box, accessed by clicking the "Edit" button on the MY APPS function bar.

The user checks/does not check the "Autolaunch" checkbox in these menus to select whether or not he wants the shortcut to be autolaunched the next time the smart card is inserted. When the user clicks "Save" the ADD APPS or EDIT APPS dialog box closes.

#### 5.2.2 Adding Application Shortcuts

The user creates shortcuts by clicking the "Add" button on the MY APPS interface view function bar.

The ADD APPS dialog box opens. The user selects which program he would like the shortcut to reference by selecting the application's name from the "Choose a Program" drop-down menu, which will contain a list of all the known applications on the PC. The user then has the option of selecting a specific file he would like opened by the selected application, or simply opening the selected application without any file.

- If the user does assign a file to the shortcut, the application the user assigns to the file will override any previous application association the file has on the PC, while it is being accessed by Netissimo\*. When the file is opened outside of Netissimo\*, the file's associated application will remain unchanged.
- If the user does not assign a specific file to the application shortcut, Netissimo\* will simply launch the application.

To assign a file to the application shortcut, the user clicks the "Browse" button, which opens a Microsoft Windows Explorer window, allowing the user to locate the desired file by browsing his hard drive.

Based on the program and the file selected (if a file is selected), Netissimo® will populate the "Edit Shortcut Name" field. For example, if the user selects MS Word as the application and assigns a file called "report020802.doc," the "Edit Shortcut Name" field will be populated as "MS Word - report020802.doc." The user may leave the shortcut name as provided by Netissimo® or change the name to one that allows him to distinguish it more easily (i.e. "MS Word - Sales Report" as opposed to "MS Word - report020802.doc"). The name assigned in the "Edit Shortcut Name" field is the name by which the shortcut is listed in the "My Apps" interface view.

The user clicks "Save" to finish creating the shortcut. Once the user clicks "Save," the ADD APPS dialog box closes.

If the user clicks "Cancel," the shortcut information will not be saved.

#### 5.2.2.1 Multiple File Shortcuts Associated with One Program

If the user wishes to create multiple file shortcuts that share the same application, Netissimo® will open multiple documents in one instance of the application, as opposed to multiple instances of the application.

#### 5.2.2.2 Maximum Number of Application Shortcuts

The amount of application shortcuts the user can create is determined by the amount of memory on the smart card. When the user exceeds the maximum amount of storage space on the card, he is warned that no new application shortcuts can be added due to lack of space. The user can add a new shortcut by deleting an old one to make room on the card.

#### 5.2.3 Editing Application Shortcuts

The user edits a shortcut by selecting the name of the shortcut he would like to edit on the MY APPS interface view and clicking the "Edit" button on the MY APPS interface view function bar.

The EDIT APPS dialog box opens pre-populated with the information from the selected shortcut and allows the user to make changes to the associated application, file path, shortcut name, and autolaunch status.

If the user wishes to disassociate a file from a shortcut (i.e. no longer launch MS Word - Sales Report, but just MS Word), he can press the "Clear" button next to the "Choose a File" field. The field, containing the path to the selected file, will be cleared. The "Choose a File" field will not be editable - the user will not be able to type into it directly. This is to prevent the user from making a mistake in a file path, causing the shortcut to malfunction.

Once the user has made the desired changes and clicked "Save" to keep the changes, the EDIT APPS dialog box closes.

If the user clicks "Cancel" any changes made are lost and the EDIT APPS dialog box closes.

#### 5.2.4 Deleting Application Shortcuts

To delete an application shortcut, the user clicks on the "Delete" button on the MY APPS function bar. The DELETE APPS dialog box opens and the user selects one or more shortcuts to delete from the list by clicking on them. Selected application shortcuts will be highlighted.

Once the user has selected the application shortcut(s) he wishes to delete, he clicks on the "Delete" button, and the application shortcuts are removed from the list and the DELETE APPS dialog box closes.

If the user clicks "Cancel" the DELETE APPS dialog box closes and no application shortcuts are deleted.

Once the application shortcut is deleted, its name is removed from the list in the MY APPS display.

#### 5.2.5 Moving Application Shortcuts

The user can change the listing order of the application shortcuts stored on the card and displayed in MY APPS. The user clicks on the "Move" button on the MY APPS function bar to open the MOVE APPS dialog box.

The MOVE APPS dialog box allows the user to move application shortcuts up or down in the list relative to the other application shortcuts. The user first clicks on the shortcut he wishes to move to select it. Using the mouse he then drags the shortcut to the desired position in the list. The user may do this with as many shortcuts as he wishes.

Once the application shortcuts are in the desired order, the user clicks the "OK" button to close the MOVE APPS dialog box, and his selected order of the shortcuts is saved. If the user clicks the "Cancel" button, his changes are not saved and the Move Apps dialog box closes.

#### 5.2.6 Accessing an Application Shortcut from the Interface

To launch a shortcut from the MOVE APPS interface view, the user double clicks on the shortcut, or selects the shortcut (indicated by a radio button) and clicks the "Go" button. The shortcut's associated application is launched and its associated file (if applicable) is opened.

### 5.2.7 Application Shortcut Not Available

There are a few scenarios in which user-created shortcuts may not be available:

- When the user uses his smart card on different machines, the application shortcuts that he has created (referring to applications and/or files) on the primary PC may not be available on all of the machines.
- When the user renames or moves a file for which he has created an application shortcut, Netissimo® will no longer be able to resolve the link to the shortcut and it will not be available.

Upon insertion of the card into the reader and PIN verification on any PC, Netissimo® will verify the presence of the applications and/or files the programmed shortcuts reference. Netissimo's behavior in the presence or absence of these applications/files will vary as follows:

#### 5.2.7.1 Application Shortcuts with No File Association

- If the referenced **application is installed** on the computer, Netissimo® will display the shortcut in the My Apps display area and launch the application if the user has designated it as an autolaunched shortcut.
- If the referenced **application is not installed** on the computer, Netissimo® will gray out the shortcut in the My Apps display area and will not attempt to launch the application. If the user attempts to force launching of an invalid shortcut by selecting it and clicking the "Go" button or by double clicking on it in the My Apps display area, he will be notified that the program cannot be found on the current PC via a program message.

#### 5.2.7.2 Application Shortcuts with File Associations

- If the referenced **application is installed** on the computer and
  - The associated **file path is valid**, Netissimo® will display the application shortcut in the My Apps display area and, for those shortcuts designated as autolaunch, open the file and its associated application.
  - The associated **file path is not valid**, Netissimo® will gray out the application shortcut in the My Apps display area and will not attempt to open the file nor its associated application, even if the application is present on the machine.
- If the referenced **application is not installed** on the computer and

- The associated file path is valid, Netissimo® will gray out the shortcut in the My APPS display area and will not attempt to open the file. If the user attempts to force launching of an invalid shortcut by selecting it and clicking the "Go" button or by double clicking on it in the My APPS display area, he will be notified that the file or program cannot be found on the current PC via a program message.
- The associated file path is not valid, Netissimo® will gray out the shortcut in the My APPS display area and will not attempt to open the file nor its associated application. If the user attempts to force launching of an invalid shortcut by selecting it and clicking the "Go" button or by double clicking on it in the My APPS display area, he will be notified that the file or program cannot be found on the current PC via a program message.

#### 5.2.8 Application Shortcut Behavior Upon Insertion of the Smart Card

Once the user has inserted the smart card and gone through PIN clearance, launch of application shortcuts only happens once an Internet connection has been established. Users on a dialup modem connection, will complete dialup and connection before both their websites and shortcuts can be launched. Users on cable, DSL, or LAN connections will have immediate and simultaneous launch of both their websites and application shortcuts.

#### 5.2.9 Application Shortcut Behavior Upon Removal of the Smart Card

Netissimo's behavior with regard to shortcuts upon removal of the smart card from the reader will vary:

- **Applications/files opened as shortcuts by Netissimo®:** The user is given the option in a checkbox, in the EDIT PREFERENCES>GENERAL PREFERENCES dialog box, of whether or not he would like Netissimo® to close those open applications/files that were launched as shortcuts when he removes the smart card from the reader. Depending on the user's preference, Netissimo's behavior upon removal of the smart card will vary:
  - If the user wishes to close the applications/files, Netissimo® will issue the command to terminate the application and to close the open files. If the user has unsaved work in these open files, termination of the application will be overridden by the application's prompt to the user to save their work.
  - If the user does not wish to close the applications/files, removal of the smart card will cause all browser windows to close, but will not affect application windows opened as shortcuts.

- Applications/files opened before Netissimo® was in use or outside of Netissimo® will not be affected by the removal of the smart card from the card reader.

#### 5.2.10 Organization of Application Shortcut Windows

Netissimo® will not dictate the opening size or placement of windows launched as a result of an application shortcut.

#### 5.3 *My Profile Interface View*

The MY PROFILE interface view is displayed when the user clicks the MY PROFILE button on the main interface.

Its display area displays the default shipping, billing, and credit card information as entered by the user. "Show Shipping" is the default view when the user clicks MY PROFILE.

The MY PROFILE interface view allows the user to access the following functions:

##### 5.3.1 "Show Billing/Shipping/Credit Card" Radio buttons

The user displays the default billing, shipping, and credit card information by selecting the appropriate radio button on the MY PROFILE interface view. "Show Shipping" is the default view displayed when the user clicks MY PROFILE.

This allows the user to drag and drop information from the display area to the fields of an online form. For more details, see "Drag and Drop."

##### 5.3.2 My Info

The MY INFO dialog box appears when the MY INFO button, found on the function bar of the MY PROFILE interface view, is clicked.

The user enters personal information into the MY INFO dialog box that will be used to complete online forms when "Form Fill" is clicked.

The user saves the information entered into the fields by clicking the "Save" button. After the "Save" button is clicked, the MY INFO dialog box closes.

If the user clicks the "Cancel" button, any changes will not be saved and the MY INFO dialog box will close.

Information entered in the MY INFO dialog box will populate the corresponding fields in the "Show Shipping" and "Show Billing" views of MY PROFILE.

### 5.3.3 Addresses

The user can store address information on the smart card, which will be used by Form Fill to complete online forms.

#### 5.3.3.1 Adding an Address

The user clicks on the "Addresses" button, found on the MY PROFILE function bar, to open the ADDRESSES dialog box.

The program stores a maximum of four different address records (one record per drop-down combo box slot/option).

The user adds a new address by selecting an unused drop-down combo box slot/option for which he wishes to enter new information.

The user names the address record by assigning a name that will allow the user to distinguish it from the others in the "Description" field (i.e. "Home"). The name assigned in the "Description" field is the name by which the address appears in the drop-down combo box both in the ADDRESSES dialog box and on the "Show Shipping" and "Show Billing" views of MY PROFILE.

The user enters the address information into the corresponding fields of the ADDRESS dialog box. This information will be used to complete online forms when the user clicks the "Form Fill" button.

The user clicks "Save" after entering the information into the fields.

After the user clicks "Save" the ADDRESSES dialog box will close. The user must click "Save" after entering the information for each of the four address records. If the user enters information for address record "Home" while it is selected by in the drop-down combo box, and selects another address option/description from the drop-down combo box before clicking "Save" on the "Home" record, the information entered for "Home" will be lost.

If the user clicks "Cancel" the changes are lost and the ADDRESSES dialog box closes.

#### 5.3.3.2 Editing an Address

The user accesses the ADDRESSES dialog box by clicking on the "Addresses" button, found on the function bar of the MY PROFILE interface view.

To edit an address record the user selects the address he wishes to edit from the drop-down combo box entitled "Type." The fields of the ADDRESSES dialog box are populated with the information entered by the user for that address record. The user can make

changes to the information and click "Save" when finished. After "Save" is clicked, the ADDRESSES dialog box closes.

If the user clicks "Cancel" the changes are lost and the ADDRESSES dialog box closes.

#### 5.3.3.3 Deleting an Address

The user deletes an address record by selecting the address he wishes to delete from the drop-down combo box entitled "Type" found on the ADDRESSES dialog box and then clicking "Delete."

A program message box appears asking the user to confirm deletion of the selected address. The user clicks "OK" to confirm deletion and the fields containing the address information and the slot in the drop-down combo box containing the address record's name are cleared. The user clicks "Save" and the ADDRESSES dialog box closes.

If the user clicks "Cancel" when asked to confirm deletion of the selected address, the selected address is not deleted. The user is returned to the open ADDRESSES dialog box.

#### 5.3.3.4 Setting the Default Billing/Shipping Address

The default billing and default shipping address records contain the information that is used by Form Fill to complete the billing and shipping information portions of online forms.

The default billing and default shipping information is displayed in the display area of the MY PROFILE interface view when either the "Show Billing" or "Show Shipping" radio button is selected.

The first address record added by the user will automatically set itself as the default billing and default shipping address. If a second address record is added, the user must decide whether the second one will be the default billing or shipping or whether the first one is to remain as both the default billing and shipping address.

The user sets the default billing or shipping address by selecting the name of the address record he wishes to set as the default from the "Type" drop-down combo box in the ADDRESSES dialog box. The user then selects the "Default Shipping" or "Default Billing" option in the ADDRESSES dialog box and clicks "Save." The ADDRESSES dialog box closes.

If the user clicks "Cancel" the default is not be set and the ADDRESSES dialog box closes.

### 5.3.3.5 Changing the Default Shipping/Billing Address

#### 5.3.3.5.1 Permanently Changing the Default Shipping/Billing Address

The user permanently changes the default shipping or billing address by opening the ADDRESSES dialog box from the "My Profile" interface view.

The user can only set one default at a time. For every time the user checks a default box, the "Save" button must be clicked.

- **Default Shipping Address:** The user selects the address record he wishes to designate as the default shipping address from the drop-down combo box "Type." The user clicks the "Default Shipping" checkbox located on the ADDRESSES dialog box. When the user clicks "Save" the ADDRESSES dialog box closes. If the user clicks "Cancel" the program reverts to the previous default and the ADDRESSES dialog box closes.
- **Default Billing Address:** The user selects the address record he wishes to designate as the default billing address from the drop-down combo box "Type." The user clicks the "Default Billing" checkbox located on the ADDRESSES dialog box. When the user clicks "Save" the ADDRESSES dialog box closes. If the user clicks "Cancel" the program reverts to the previous default and the ADDRESSES dialog box closes.

#### 5.3.3.5.2 Temporarily Changing the Default Shipping/Billing Address

Form Fill uses the information from the default billing and shipping address records to complete online forms. The user can temporarily change the defaults for use with a single purchase or online form.

- **Default Shipping Address:** The user selects the "Show Shipping" radio button on the MY PROFILE interface view. The user then selects the address record he wishes to designate as the temporary default shipping address from the drop-down combo box. The fields in the display area are then populated with the information for the selected address record. When the "Form Fill" button is clicked the program uses the selected record as the temporary default shipping address and fills the online form with the information from the selected record. The program reverts to the permanent default once the smart card is removed, if the session times out at the end of twenty minutes, or the next time the program is started. If the user wishes to revert to the permanent default right away, without removing the card or restarting the program, he must do so manually by re-selecting the permanent default shipping address in the drop-down combo box in the MY PROFILE display area. The display area will then be populated with the permanent default information, and this information will subsequently be used by Form Fill.

- **Default Billing Address:** The user selects the "Show Billing" radio button on the MY PROFILE interface view. The user then selects the address record he wishes to designate as the temporary default shipping address from the drop-down combo box. The fields in the display area are then populated with the information for the selected address record. When the "Form Fill" button is clicked the program uses the selected record as the temporary default billing address and fills the online form with the information from the selected record. The program reverts to the permanent default once the smart card is removed, if the session times out at the end of twenty minutes, or the next time the program is started. If the user wishes to revert to the permanent default right away, without removing the card or restarting the program, he must do so manually by re-selecting the permanent default billing address in the drop-down combo box in the MY PROFILE display area. The display area will then be populated with the permanent default information, and this information will subsequently be used by Form Fill.

#### 5.3.4 Credit Cards

##### 5.3.4.1 Adding a Credit Card

The user adds a new credit card by clicking on the "Credit Cards" button, found on the function bar of the "MY PROFILE" interface view, which opens the CREDIT CARDS dialog box.

The program stores a maximum of four different credit card records (one record per drop-down combo box slot/option).

The user then selects an unused drop-down combo box slot/option for which he wishes to create a new credit card record.

The user can name the credit card record by assigning a name that allows the user to distinguish it from the others in the "Description" field (i.e. "My Corporate Card"). The name assigned in the "Description" field is the name by which the credit card appears in the drop-down combo box "Card Name."

The user enters the credit card information into the corresponding fields of the CREDIT CARDS dialog box. This information will be used to complete online forms when the user clicks the "Form Fill" button.

The user clicks "Save" after entering the information into the fields.

The user must click "Save" after entering the information for each address record. After "Save" is clicked, the CREDIT CARDS dialog box closes.

If the user enters information for credit card record "My Corporate Card" while it is selected by in the drop-down combo box, and selects another credit card option/description from the drop-down combo box before clicking "Save" on the "My Corporate Card" record, the information entered for "My Corporate Card" will be lost.

If the user clicks "Cancel" all changes or additions are lost and the CREDIT CARDS dialog box closes.

#### 5.3.4.2 Editing a Credit Card

The user accesses the CREDIT CARDS dialog box by clicking on the CREDIT CARDS button, found on the function bar of the MY PROFILE interface view.

To edit a credit card record the user selects the name of the credit card record he wishes to edit from the drop-down combo box entitled "Card Name." The fields of the CREDIT CARDS dialog box then fill with the information previously entered by the user for that credit card record. The user makes changes to the information and clicks "Save" when finished. The CREDIT CARDS dialog box closes.

If the user clicks "Cancel," all changes are lost and the CREDIT CARDS dialog box closes.

#### 5.3.4.3 Deleting a Credit Card

The user deletes a credit card record by selecting the name of the card he wishes to delete from the drop-down combo box entitled "Card Name" found on the CREDIT CARDS dialog box and then clicking "Delete."

A program message box appears asking the user to confirm deletion of the selected credit card. The user clicks "OK" to confirm deletion and the fields containing the credit card information and the slot in the drop-down combo box containing the credit card record's name are cleared. The user clicks "Save" and the CREDIT CARDS dialog box closes.

If the user clicks "Cancel" when asked to confirm deletion of the selected credit card, the selected credit card is not deleted. The user is returned to the open CREDIT CARDS dialog box.

#### 5.3.4.4 Setting the Default Credit Card

The default credit card record contains the information used by Form Fill to complete the credit card portion of online forms.

The default credit card information is also displayed in the display area of the MY PROFILE interface view when the "Show Credit Card" radio button is selected.

The first credit card record added by the user is automatically set as the default. If a second credit card record is added, the user must then decide whether the second one will be the default or whether the first one is to remain in effect.

The user sets the default credit card record by selecting the credit card he wishes to set as the default from the "Card Name" drop-down combo box in the CREDIT CARDS dialog box. When the user selects the "Default" option in the CREDIT CARDS dialog box and clicks "Save" the CREDIT CARDS dialog box closes.

#### **5.3.4.5. Changing the Default Credit Card**

##### ***5.3.4.5.1 Permanently Changing the Default Credit Card***

The user can permanently change the default credit card by opening the CREDIT CARDS dialog box from the MY PROFILE interface view.

The user selects the credit card record he wishes to designate as the default from the drop-down combo box "Card Name." The user then clicks the "Default" checkbox located on the CREDIT CARDS dialog box. When the user clicks "Save" the CREDIT CARDS dialog box closes. If the user clicks "Cancel" the program reverts to the previous default and the CREDIT CARDS dialog box closes.

##### ***5.3.4.5.2 Temporarily Changing the Default Credit Card***

Form Fill uses the information from the default credit card record to complete online forms. The user can temporarily change the default for use with a single purchase or online form.

The user selects the "Show Credit Card" radio button on the MY PROFILE interface view. The user then selects the address record he wishes to designate as the temporary default credit card from the drop-down combo box. The fields in the display area are then populated with the information for the selected credit card record. When the "Form Fill" button is clicked the program uses the selected record as the temporary default credit card and fills the online form with the information from the selected record. The program reverts to the permanent default once the smart card is removed, if the session times out at the end of twenty minutes, or the next time the program is started. If the user wishes to revert to the permanent default right away, without removing the card or restarting the program, he must do so manually by re-selecting the permanent default credit card in the drop-down combo box in the MY PROFILE display area. The display area will then be populated with the permanent default information, and this information will subsequently be used by Form Fill.

#### **5.4 Form Fill**

The user fills online forms by clicking on the "Form Fill" button on the main interface.

#### 5.4.1 Default Form Fill Information

The program uses the default billing, shipping, and credit card information to complete online forms when the user clicks the "Form Fill" button.

##### 5.4.1.1 Permanently Changing the Default Form Fill Information

Form Fill uses the information from the default address or credit card records to complete online forms. For information on changing the default shipping and billing addresses, or the default credit card, see "Changing the Default Shipping/Billing Address" and "Changing the Default Credit Card."

##### 5.4.1.2 Temporarily changing the default Form Fill Information

Form Fill uses the information from the default address or credit card records to complete online forms. The user can temporarily change the defaults for use with a single purchase or online form.

For more information temporarily changing the default shipping and billing addresses, or the default credit card, see "Changing the Default Shipping/Billing Address" and "Changing the Default Credit Card."

#### 5.4.2 Drag and Drop

The user also has the option of populating the form fields by using the mouse to drag the information entered in an individual field in the display area of the MY PROFILE interface view (populated with the information the user enters into the MY INFO, ADDRESSES, or CREDIT CARDS dialog box) to a field in an online form.

### 5.5 System Tray

#### 5.5.1 Show Netissimo®

The user calls up the user interface after it has been closed or if it is hidden behind other open windows by selecting the "Show Netissimo" selection in the Netissimo® System Tray Menu.

#### 5.5.2 Cascade Web Pages

The user can arrange open browser windows in a "cascade" format by selecting the "Cascade Web Pages" option in the Netissimo® System Tray Menu.

The "Cascade Web Pages" option only affects browser windows, other program windows are not affected.

The "Cascade Web Pages" option does not affect browsers in full screen mode.

### 5.5.3 Edit Preferences

The EDIT PREFERENCES dialog box is accessed through the Netissimo® System Tray Menu and contains the following three sections: GENERAL PREFERENCES, ISP SETTINGS, and PIN CODE SETTINGS.

The user navigates between these three sections by selecting the name of the section he wishes to display from a pull down menu at the top of the EDIT PREFERENCES dialog box. When the user selects the name of a particular section from this pull down menu, the section is loaded into the page below the pull down menu.

The "Save" button becomes active whenever the user makes changes to a section, prompting the user to click it before he moves on to the next section. If the user attempts to move to a different section without clicking the "Save" button, he is asked whether he wishes to save the changes he has made to that particular section. When the user is done making changes to one or all of the sections contained in the EDIT PREFERENCES dialog box, he closes the EDIT PREFERENCES dialog box by clicking the "Close" button.

The user aborts any changes or edits he has made by clicking the "Cancel" button before clicking the "Save" button. His changes are disregarded and the EDIT PREFERENCES dialog box closes.

The EDIT PREFERENCES dialog box allows the user to access the following sections:

#### 5.5.3.1 General Preferences

GENERAL PREFERENCES is the default view to which the EDIT PREFERENCES dialog box opens. It allows the user to control the following application settings:

##### 5.5.3.1.1 Always on Top

The "Always on Top" application setting is found in the GENERAL PREFERENCES section of the EDIT PREFERENCES dialog box. The "Always on Top" setting is selected by default on first use of the program.

When the user selects the "Always on Top" option, the user interface remains in front of any and all open or active windows. When the "Always on Top" option is not selected, normal Windows behavior remains in effect: as the user opens and works in new windows the active window covers the user interface.

##### 5.5.3.1.2 Show on Startup

The "Show on Startup" application setting is found in the GENERAL PREFERENCES section of the EDIT PREFERENCES dialog box. The "Show on Startup" setting is not selected by default on first use of the program.

- With the "Show on Startup" option selected, the **INSERT YOUR CARD** prompt appears whenever the program is started, (either by the user starting up his computer, or when the program is manually started by the user after having been manually exited) and the smart card has not been inserted into the smart card reader.
- When the "Show on Startup" option is not selected, the program remains minimized in the system tray until the user inserts his card. When the user inserts his card, the program immediately displays the **ENTER PIN** prompt.

#### *5.5.3.1.3 Cascade Browser Windows*

The "Cascade Browser Windows" application setting is found in the **GENERAL PREFERENCES** section of the **EDIT PREFERENCES** dialog box. The "Cascade Browser Windows" setting is selected by default on first use of the program.

With the "Cascade Browser Windows" option selected, browsers are opened in a cascade format as websites are autolaunched.

#### *5.5.3.1.4 Close Launched Programs Upon Card Removal*

The "Close Launched Programs Upon Card Removal" application setting is found in the **GENERAL PREFERENCES** section of the **EDIT PREFERENCES** dialog box. The "Close Launched Programs Upon Card Removal" setting is selected by default on first use of the program.

With the "Close Launched Programs Upon Card Removal" selected, applications launched by Netissimo® will be terminated upon removal of the smart card from the smart card reader.

#### **5.5.3.2 ISP Settings**

##### *5.5.3.2.1 Adding a New ISP*

The program automatically detects when a new ISP is installed on the computer. The new ISP appears in the drop-down combo box "Default ISP" in the **EDIT PREFERENCES>ISP SETTINGS** dialog box.

If the user wishes to make the new ISP the default, he selects it from the "Default ISP" box, and enters the username and password in the "ISP Username" and "ISP Password" fields.

If AOL or CompuServe is installed on the PC and the connection to the ISP requires a change in Internet connection type, the user must select it from the "Internet Connection Type" section, which appears only on PCs where AOL or CompuServe is installed.

To keep the changes made, the user clicks "Save." The user clicks "Close" to close the **EDIT PREFERENCES** dialog box.

If the user clicks "Cancel" the current default remains in effect and the EDIT PREFERENCES dialog box closes.

#### 5.5.3.2.2 *Changing ISP Logon Information*

The user changes ISP logon information in the EDIT PREFERENCES>ISP SETTINGS dialog box, accessed through the Netissimo® System Tray Menu.

The user selects the ISP for which he wishes to make changes from the drop-down combo box entitled "Default ISP." The user saves the changes by clicking "Save." When the user clicks "Close," the EDIT PREFERENCES dialog box closes.

#### 5.5.3.2.3 *Changing the Default ISP*

The user changes the default ISP in the EDIT PREFERENCES>ISP SETTINGS dialog box, accessed through the Netissimo® System Tray Menu. The ISP SETTINGS screen displays the current default ISP as selected by the user during first use in a drop-down combo box entitled "Default ISP." The "Default ISP" box contains a list of all ISPs currently detected on the PC.

- If there is more than one ISP on the computer, the user can select a different ISP from the "Default ISP" box. The user enters the logon information for the newly selected ISP in the fields "ISP Username" and "ISP Password." The user saves the changes by clicking the "Save" button. The ISP selected in the "Default ISP" drop-down combo box at the time the "Save" button is clicked is the user's new default ISP. Once "Save" is clicked, the user clicks "Close" to close the EDIT PREFERENCES dialog box. The user can abort any changes made to the default ISP information by clicking "Cancel." Once "Cancel" is clicked, the EDIT PREFERENCES dialog box closes.
- If there is only one ISP on the computer, the user is unable to change the default ISP.

#### 5.5.3.3 *PIN Code Settings*

The EDIT PREFERENCES>PIN CODE SETTINGS dialog box allows the user to make changes to the PIN code settings, change his PIN, and disable/re-enable PIN code protection of the smart card.

The PIN CODE SETTINGS section is only available for selection from the "I would like to edit my..." pull down menu when the user has inserted his smart card and entered his PIN code (if PIN is required, not having previously been disabled).

#### 5.5.3.3.1 *Changing PIN Code*

The user is given the option to change his PIN code in the EDIT PREFERENCES>PIN CODE SETTINGS dialog box. To change the PIN code, the user checks the "Use a PIN" box and enters the current PIN in the "Old PIN" field, then enters his newly selected PIN in the

"New PIN" and "Confirm PIN" fields. The information entered in "New PIN" and "Confirm PIN" must be identical. If the information in the fields differs, the user is notified in an error message. When the user clicks "Save," the new PIN takes effect. The user clicks "Close" to close the EDIT PREFERENCES dialog box. If the user clicks "Cancel" the old PIN remains in effect and the EDIT PREFERENCES dialog box closes.

#### 5.5.3.2 *Disabling PIN Code*

The user is given the option to disable the PIN code protection of his smart card in the EDIT PREFERENCES>PIN CODE SETTINGS dialog box.

To disable his PIN code, the user checks the "Don't use a PIN" box and enters his current PIN in the "Old PIN" field. After having done this, the user clicks "Save" on the EDIT PREFERENCES dialog box and his PIN is henceforth disabled. When the user inserts his smart card from this point on, he automatically accesses the user interface and his websites without being prompted to enter a PIN.

#### 5.5.3.3 *Re-enabling PIN Code*

The user is given the option to re-enable the PIN code protection of his smart card in the EDIT PREFERENCES>PIN CODE SETTINGS dialog box.

To re-enable the PIN code, the user checks the "Use a PIN" box. The user leaves the "Old PIN" field blank, and enters a new PIN of his selection in the "New PIN" and "Confirm PIN" fields. The information entered in "New PIN" and "Confirm PIN" must be identical. If the information in the fields differs, the user is notified in an error message. After having done this, the user clicks the "Save" button and the new PIN takes effect. The user clicks "Close" to close the EDIT PREFERENCES dialog box.

#### 5.5.3.4 *Incorrect PIN Code*

If the user types in an incorrect PIN code into the "Old PIN" field, he is notified via an error message box.

#### 5.5.4 *Back Up Card Data*

The user manually backs up the data stored by Netissimo® on his smart card to his PC by selecting the "Back Up Card Data" option in the Netissimo® System Tray Menu, accessed by right clicking on the Netissimo® program icon found in the system tray.

The accessibility of this menu option will vary as follows:

- **With the smart card in the reader and**
  - **A PIN protected card:** The user must enter his PIN before the "Back Up Card Data" option is enabled.
  - **The card is not PIN protected:** The "Back Up Card Data" option is enabled.

- With no smart card in the reader: The "Back Up Card Data" option is disabled.

Once the user has selected this option, the BACK UP NETISSIMO SMART CARD DATA dialog box opens.

The user is asked to select a backup data file name. The procedure for assigning a name to the file that will contain the backup data varies:

- On first backup, (first on system, not first for each user) the user is asked to enter a name for the file in which the backup data will be saved. The file name will be limited to 15 characters.
- During regular use, the user can enter a name for the file, or he can select from a list of backup files already existing on the PC.

The user is then asked to select and enter a key (alphanumeric, 1 to 8 characters, case sensitive) that he will use in the future should he need to restore the data from the PC onto a replacement smart card. The user is asked to confirm the key he has selected by entering it a second time into the "Confirm Key" field. The information entered in the "Enter Key" and "Confirm Key" fields must be identical. If the information in the fields differs, the user will be notified in an error message from the program.

If the user selects a file name that was created with a key that does not match the one he has entered, the program will return an error message warning the user that the file name he has selected does not match the key he has entered, thereby preventing the user from saving over a backup file established by another user. A file may only be overwritten if the security key entered matches the key entered at the time of the file's creation.

Once the user has selected a security key, he clicks the "Back Up" button, and the data from his smart card is saved to the PC. The user receives confirmation via a program message box.

If the user clicks "Cancel", the backup operation is not performed.

#### 5.5.5 Restore Card Data

The user restores the smart card data to the smart card by selecting the "Restore Card Data" option in the Netissimo System Tray Menu, accessed by right clicking on the Netissimo program icon found in the system tray.

The accessibility of this menu option will vary as follows:

- With the **smart card in the reader** and
  - **A PIN protected card:** The user must enter his PIN before the menu option is enabled.
  - **The card is not PIN protected:** The menu option is enabled.
- **With no smart card in the reader:** The menu option is disabled.

The user restores the backed up data to his smart card by selecting the "Restore Netissimo® Card Data" option in the Netissimo® System Tray Menu.

The "RESTORE NETISSIMO® CARD DATA" dialog box opens.

The user then selects the name of his backup data file from a list of known Netissimo® backup data files on the PC.

The user is asked to enter the key that he originally entered when backing up his data. The user clicks "Restore", and

- If the key entered **matches** the backup file selected, the user receives a confirmation message that warns him that restoration of the backup data will overwrite any information currently saved on his card. A file may only be overwritten if the security key entered matches the key entered at the time of the file's creation.
- If the user clicks "OK", the restoration operation is performed and the user receives confirmation. If the user clicks "Cancel", the restoration operation is not performed.
- If the key entered **does not match** the backup file selected, the program will return an error message warning the user that the security key he entered does not match the filename he has selected, and that he should re-enter a security key or select a different file.

#### 5.5.6 Help

The user accesses the Help system:

- through the "Help" selection in the Netissimo® System Tray Menu or

- by clicking on the "Help" button found in the upper right-hand corner of most user interface screens. These "Help" buttons allow the user to access context-sensitive help, opening the Help system to the relevant section based on the screen on which the button was pressed.

#### 5.5.7 About Netissimo®

The "ABOUT NETISSIMO" screen opens when "About Netissimo" is selected in the Netissimo® System Tray Menu, and is closed by clicking the "OK" button or the close "X" button. The "ABOUT NETISSIMO" screen provides version number and intellectual property information about the Netissimo® software.

#### 5.5.8 Exit

The user exits the program through the "Exit" selection in the Netissimo® System Tray Menu.

When the user selects "Exit" the application is terminated. The user interface disappears, the program icon disappears from the system tray, all open browser windows are closed, and any open Internet connections are severed.

## APPENDIX C

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**Netissimo Lite 3.0  
Functional Specifications  
Document**

May 15, 2000  
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To request referenced documents,  
or to provide comments, please contact:

Dr. Bettina Experton  
Humetrix.com, Inc.  
1155 Camino Del Mar, #503  
Del Mar, CA 92014  
858.259.8987

This is a living document under configuration management control.

APPENDIX C

## I. Introduction

The purpose of this Functional Specifications document is to specify the functionality of the cardless Netissimo configuration, referred to as Netissimo Lite, which is upgradable to the full version of Netissimo.

## II. Netissimo Data Stored on Local Drive

The data gathered by Netissimo will be encrypted and saved to the local hard drive.

Unless otherwise specified below, the behavior of the Netissimo Lite software will remain as dictated in the most recent functional specifications document for the full version of Netissimo.

### A. Accessing Netissimo Lite

Netissimo Lite will run on startup of the computer, with an icon in the system tray. Netissimo automatically opens to the Login Screen.

### B. First Usage

Netissimo Lite supports multiple users called profiles. The first time Netissimo runs after installation it will prompt the user to create a profile with a profile name and a password. The user enters a profile name (3 to 12 alphanumeric characters, case sensitive) and associated password (1-8 alphanumeric characters, case sensitive). The user confirms his password by entering it a second time into the "Confirm Password" field. The information entered in the "Password" and "Confirm Password" fields must be identical. If the information in the fields differs, the user will be notified in an error message from the program. The user is also prompted to pick a reminder question for if they forget the profile's password, and is required to enter an answer for the question. If the user later forgets the profile's password, they will be prompted to answer the security question before they can change the password. The answer is case insensitive.

### C. Login Screen

The user accesses the Login Screen by right clicking on the Netissimo program icon and selecting "Show Netissimo" from the Netissimo System Tray Menu.

The Login Screen appears. The user is asked to pick a profile and enter a password and click the "Log In" button.

Once the user has clicked the "Log In" button, Netissimo automatically connects to the Internet through the user's selected default ISP and automatically launches the user's websites and/or applications.

#### **D. Logging out of the Profile**

The user logs out of the profile by selecting "Log Off <profile name>" from the Netissimo System Tray Menu. Netissimo Lite provides a configurable countdown before logging the profile out, exactly like Netissimo. The Netissimo System Tray Menu does not offer the "Create Profile" and "Delete Profile" options when the profile is logged in.

#### **E. Creating Profiles**

The user creates profiles by selecting "Create Profile" from the Netissimo System Tray Menu (which is accessible while the Netissimo Lite login screen is up, not when a profile is logged in). Selecting "Create Profile" will launch the "Create Profile" dialog box, where the user is prompted to enter a profile name, password, and security question with answer, exactly as done and described above in the section "First Usage".

#### **F. Deleting Profiles**

The user deletes profiles by selecting "Delete Profile" from the Netissimo System Tray Menu (which is accessible while the Netissimo Lite login screen is up, not when a profile is logged in). Selecting "Delete Profile" will launch the "Delete Profile" dialog box, where the user is prompted to select a profile and the password that corresponds to that profile. The user cannot delete the profile without correctly entering the password that corresponds with that profile.

#### **G. Forgot My Password**

If the user forgets the password that corresponds with the displayed profile name, they can select "Forgot My Password" from the Netissimo Lite login screen, which launches the "Forgot My Password" dialog box. The user is then prompted to answer the security question corresponding with that profile, as well as a new password (and confirmation of the new password). If the user correctly answers the security question and correctly enters in a valid password and password confirmation, then the user has successfully changed the profile's password. In all other cases, an appropriate error dialog will be presented to the user.

#### **H. Exiting Netissimo**

The user exits Netissimo Lite by selecting the "Exit" selection in the Netissimo System Tray Menu.

When the user selects exit, the Netissimo Lite interface will close (hide), all open browser windows will be closed, the Internet connection severed (if the connection was initiated by Netissimo), and all open applications will be closed (if requested in the "Edit Preferences").

### *I. Graphical User Interface*

#### 1. Login Screen

Title	Login Screen	
Class	Menu	
Access	Right-click on program icon in System Tray	
Function	Allows the user to log in and access the Netissimo software.	

Object Name	Object Type	Object Function
Select Profile	Drop-down list	User selects profile.
Password	Input field	User enters his password.
Log In	Clickable button	Submits password information.
Forgot My Password	Clickable text	Launches "Forgot My Password" dialog box.
Help	Clickable button	Allows user to access the Help system
Minimize	Clickable button	Sends user interface to its minimized state
Close	Clickable	Hides the user interface.

Proposed Layout:

The proposed layout for the login screen is a window with the following components:

- Top Bar:** Contains a question mark icon, a minimize button, and a close button.
- Left Side:** A small icon of a credit card.
- Text Input Fields:**
  - Account Name:** A text input field with a dropdown arrow icon.
  - Password:** A text input field.
- Buttons:**
  - Log In:** A button to submit the login information.
- Links:**
  - Forgot My Password:** A link to access the password recovery dialog box.
  - Help:** A link to access the help system.

## 2. Create Profile

Title:	Create Profile
Class:	Dialog Box
Access:	Right-click on program icon in System Tray and select "Create Profile"
Function:	Allows the user to create a profile.

Object Name	Object Type	Object Function
Profile Name	Input field	User enters a profile name.
Password	Input field	User enters a password.
Confirm Password	Input field	User enters a password matching the Password field.
Security Question	Drop-down list	User selects a security question from a pre-defined list.
Answer	Input field	Users enters an answer to the security question.
Help	Clickable button	Allows user to access the Help system
Save	Clickable button	Saves the profile information and closes the dialogs.
Cancel	Clickable button	Closes the dialog without saving the profile information.

## Proposed Layout:

## Create Profile



Please create a profile name and password. You will need to enter this information each time you access your profile.

Your profile name may contain from 1 to 12 alphanumeric characters. Your password may contain from 1 to 8 alphanumeric characters.

Profile Name:

Password:

Confirm Password:

Please select a security question and enter its answer below. This security question and answer will allow you to select a new password in the event you forget your password in the future.

**Save****Cancel**

## 3. Delete Profile

Title	Create Profile
Class	Dialog Box
Access	Right-click on program icon in System Tray and select "Delete Profile"
Function	Allows the user to delete a profile.

Object Name	Object Type	Object Function
Profile Selection List	Select List	User selects a profile name.
Password	Input field	User enters password corresponding to profile.
Help	Clickable button	Allows user to access the Help system.
Delete	Clickable button	Deletes the profile information and closes the dialogs.
Cancel	Clickable button	Closes the dialog without saving the profile information.

## Proposed Layout:



## 4. Forgot My Password

Refer the Netissimo specification for this dialog box as its functionality is exactly the same in both cases.

### **III. Upgrading from Netissimo Lite to Netissimo**

Once the user upgrades to the full version of Netissimo, his profile name and password will be used to access the backup data (see backup data specifications), and he will have to create a password to access the card.

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